

SHARP SERVICE MANUAL

No. XXXXXXXXXXXXX



DVD/CD SYSTEM

MODEL **QT-V5E**

DVD/CD SYSTEM

MODEL **QT-V5H**

• In the interests of user-safety the set should be restored to its original condition and only parts identical to those specified be used.

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Parts Guide

Parts marked with "⚠" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

SAFETY PRECAUTION FOR SERVICE MANUAL

Precaution to be taken when replacing and servicing the Laser Pickup.

The AEL (Accessible Emission Level) of Laser Power Output for this model is specified to be lower than Class 1 Requirements. However, the following precautions must be observed during servicing to protect your eyes against exposure to the Laser beam.

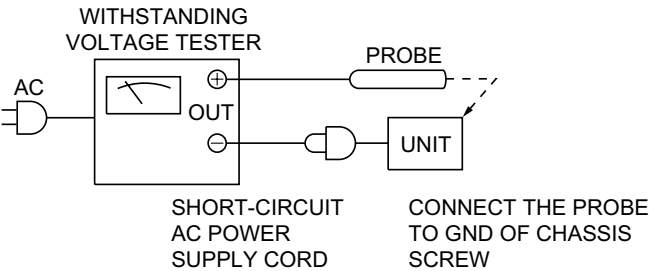
- (1) When the cabinet has been removed, the power is turned on without a compact disc, and the Pickup is on a position outer than the lead-in position, the Laser will light for several seconds to detect a disc. Do not look into the Pickup Lens.
- (2) The Laser Power Output of the Pickup inside the unit and replacement service parts have already been adjusted prior to shipping.
- (3) No adjustment to the Laser Power should be attempted when replacing or servicing the Pickup.
- (4) Under no circumstances look directly into the Pickup Lens at any time.
- (5) CAUTION - Use of controls or adjustments, or performance of procedures other than those specified herein may result in hazardous radiation exposure.

IMPORTANT SERVICE NOTES (FOR U.K. ONLY)

Before returning the unit to the customer after completion of a repair or adjustment it is necessary for the following withstand voltage test to be applied to ensure the unit is safe for the customer to use.

Setting of Withstanding Voltage Tester and set.

Set name	set value
Withstanding Voltage Tester	
Test voltage	4,240 VPEAK 3,000 VRMS
Set time	6 secs
Set current (Cutoff current)	4 mA
Unit	
Judgment	
OK: The "GOOD" lamp lights.	
NG: The "NG" lamp lights and the buzzer sounds.	



CHAPTER 1. GENERAL DESCRIPTION

[1] Specifications

FOR A COMPLETE DESCRIPTION OF THE OPERATION OF THIS UNIT, PLEASE REFER TO THE OPERATION MANUAL.

QT-V5E

Power source	AC 230 - 240 V, 50 Hz DC 12 V ["D" size (UM/SUM-1, R20 or HP-2) battery × 8] DC 3 V ["AA" size (UM/SUM-3, R6 or HP-7) battery × 2 for memory]	
Power consumption	23 W	
Output power	RMS: 10 W (5 W + 5 W) (10 % T.H.D., 1 kHz)	
Speakers	Full range speaker system 8 cm 1/each	
Dimensions	Width: 420 mm Height: 150 mm Depth: 260 mm	
Weight	4.6 kg	
Signal system	PAL/NTSC color	
Supported disc types	DVD (region number 2 or ALL), SVCD, VCD, audio CD, CD-R, CD-RW, MP3	
Video signal	Horizontal resolution: 500 lines S/N ratio: 70 dB	
Audio signal	Frequency characteristics	Linear PCM DVD: 20 Hz to 20 kHz (sampling rate: 48 kHz) 20 Hz to 20 kHz (sampling rate: 96 kHz) CD: 20 Hz to 20 kHz
	S/N ratio	CD: 80 dB (1 kHz)
	Dynamic range	Linear PCM DVD: 70 dB CD: 70 dB
	Total harmonic distortion ratio	0.01 % maximum
Audio output terminals	Headphones: 16 - 50 ohms (recommended: 32 ohms) Optical digital output: Square type × 1 Analog output: RCA type × 1 pair (L/R)	
Video output terminals	SCART output: SCART terminal × 1 Video output: RCA type × 1 S-video output: S-terminal × 1	
Frequency range	FM: 87.5 - 108 MHz AM: 522 - 1,620 kHz	

QT-V5H

Power source	AC 230 - 240 V, 50 Hz DC 12 V ["D" size (UM/SUM-1, R20 or HP-2) battery × 8] DC 3 V ["AA" size (UM/SUM-3, R6 or HP-7) battery × 2 for memory]	
Power consumption	23 W	
Output power	RMS: 10 W (5 W + 5 W) (10 % T.H.D., 1 kHz)	
Speakers	Full range speaker system 8 cm × 1/each	
Dimensions	Width: 420 mm Height: 150 mm Depth: 260 mm	
Weight	5.2 kg	
Signal system	PAL/NTSC color	
Supported disc types	DVD (region number 2 or ALL), SVCD, VCD, audio CD, CD-R, CD-RW, MP3	
Video signal	Horizontal resolution: 500 lines S/N ratio: 70 dB	
Audio signal	Frequency characteristics	Linear PCM DVD: 20 Hz to 20 kHz (sampling rate: 48 kHz) 20 Hz to 20 kHz (sampling rate: 96 kHz) CD: 20 Hz to 20 kHz
	S/N ratio	CD: 80 dB (1 kHz)
	Dynamic range	Linear PCM DVD: 70 dB CD: 70 dB
	Total harmonic distortion ratio	0.01 % maximum
Audio output terminals	Headphones: 16 - 50 ohms (recommended: 32 ohms) Optical digital output: Square type × 1 Analog output: RCA type × 1 pair (L/R)	
Video output terminals	SCART output: SCART terminal × 1 Video output: RCA type × 1 S-video output: S-terminal × 1	
Frequency range	FM: 87.5 - 108 MHz AM: 522 - 1,620 kHz	

Specifications for this model are subject to change without prior notice.

[2] Names of parts

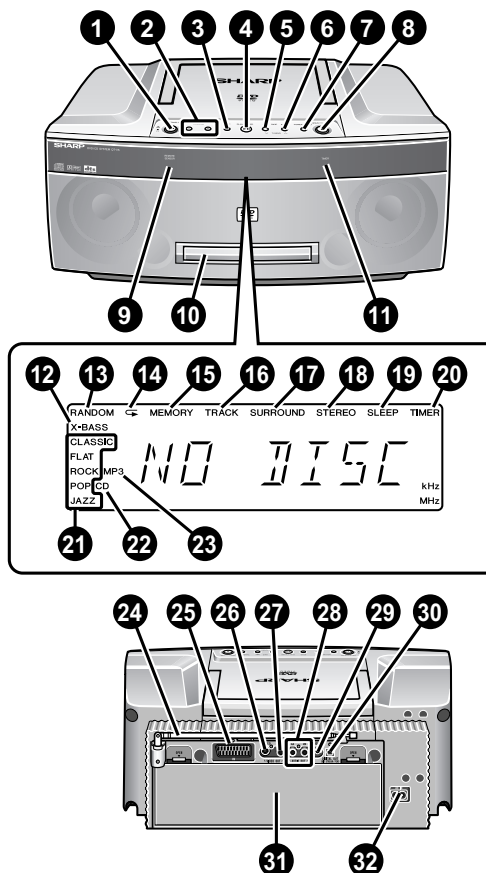
QT-V5E/QT-V5H

Main unit

1. On/Stand-by Switch
2. Volume Up and Down Buttons
3. Stop Button
4. Play/Pause Button
5. Chapter (track) Skip Down or Tuning Down Button
6. Chapter (track) Skip Up or Tuning Up Button
7. Tuner (Band) Button
8. Disc Tray Open/Close Button
9. Remote Sensor
10. Disc Tray
11. Timer Set Indicator

12. Extra Bass Indicator
13. Random Indicator
14. Repeat Indicator
15. Memory Indicator
16. Track Indicator
17. Surround Indicator
18. Stereo Indicator
19. Sleep Indicator
20. Timer Indicator
21. Preset Equalizer Indicators
22. CD Indicator
23. MP3 Indicator

24. FM Telescopic Rod Aerial
25. SCART Output Socket
26. S-video Output Socket
27. Video Output Socket
28. Audio Output Sockets
29. Headphone Socket
30. Optical Digital Audio Output Socket
31. Battery Compartment cover
32. AC Power Input Socket



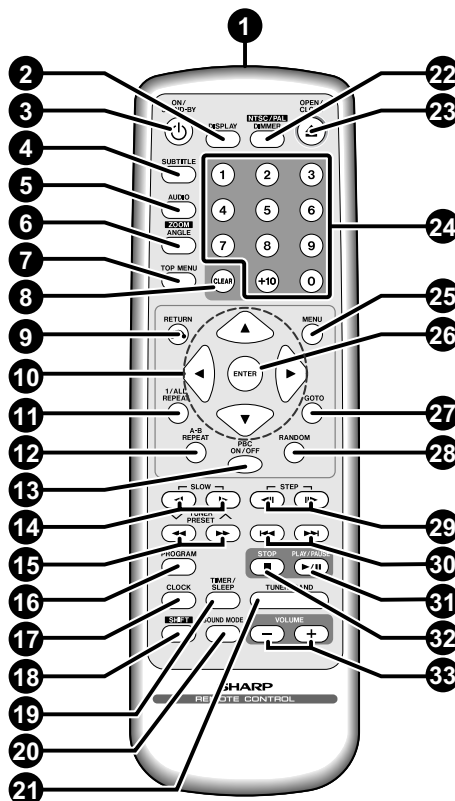
Remote control

1. Remote Control Transmitter
 2. On-Screen Display Select Button
 3. On/Stand-by Button
 4. Subtitle Select Button
 5. Audio Language Select or Audio Output Select Button
 6. Angle Select Button
- This button works as the ZOOM button when pressed with the SHIFT button.

7. Top Menu Button
8. Clear Button
9. Return Button
10. Cursor Buttons
11. 1/ALL Repeat Button
12. A - B Repeat Button
13. PBC On/Off Button
14. Slow-motion Play Buttons
15. Fast Reverse/Tuner Preset Down and Fast Forward/Tuner Preset Up Buttons
16. Programme Button
17. Clock Button
18. Shift Button
19. Timer/Sleep Button
20. Sound Mode Select Button
21. Tuner (Band) Button
22. Dimmer Button

This button works as the NTSC/PAL select button when pressed with the SHIFT button.

23. Disc Tray Open/Close Button
24. Direct Number Buttons
25. Menu Button
26. Enter Button
27. GOTO Button
28. Random Play Button
29. Still/Frame Advance Buttons
30. Chapter (Track) Skip Up and Down Buttons
31. Play/Pause Button
32. Stop Button
33. Volume Up and Down Buttons



CHAPTER 2. MECHANISM BLOCKS

[1] Caution on disassembly

Caution on Disassembly

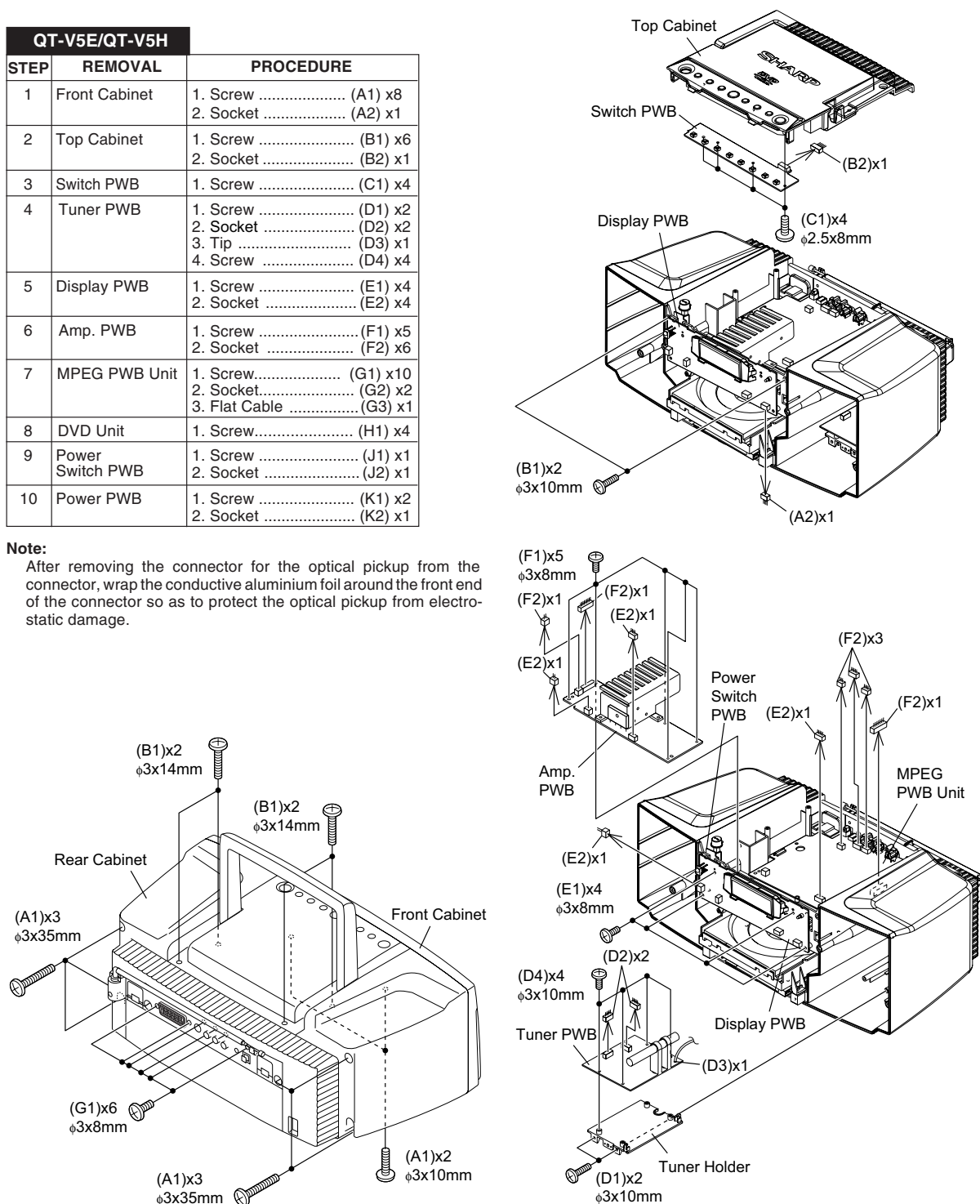
Follow the below-mentioned notes when disassembling the unit and reassembling it, to keep it safe and ensure excellent performance:

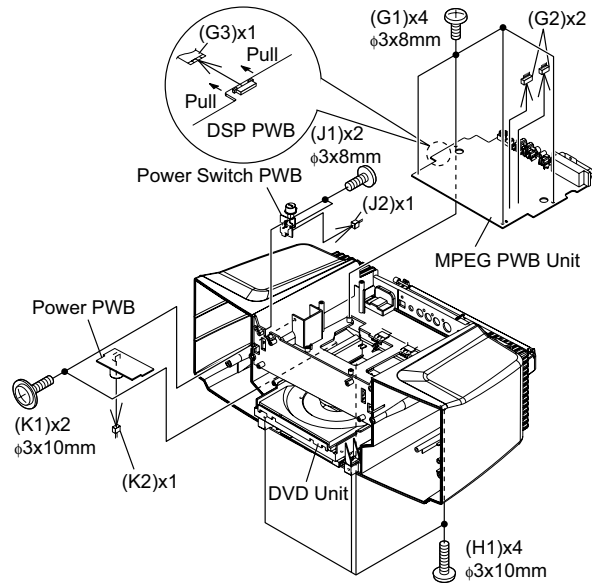
1. Take compact disc and DVD disc out of the unit.
2. Be sure to remove the power supply plug from the wall outlet before starting to disassemble the unit.
3. Take off nylon bands or wire holders where they need to be removed when disassembling the unit. After servicing the unit, be sure to rearrange the leads where they were before disassembling.

QT-V5E/QT-V5H		
STEP	REMOVAL	PROCEDURE
1	Front Cabinet	1. Screw (A1) x8 2. Socket (A2) x1
2	Top Cabinet	1. Screw (B1) x6 2. Socket (B2) x1
3	Switch PWB	1. Screw (C1) x4
4	Tuner PWB	1. Screw (D1) x2 2. Socket (D2) x2 3. Tip (D3) x1 4. Screw (D4) x4
5	Display PWB	1. Screw (E1) x4 2. Socket (E2) x4
6	Amp. PWB	1. Screw (F1) x5 2. Socket (F2) x6
7	MPEG PWB Unit	1. Screw (G1) x10 2. Socket (G2) x2 3. Flat Cable (G3) x1
8	DVD Unit	1. Screw (H1) x4
9	Power Switch PWB	1. Screw (J1) x1 2. Socket (J2) x1
10	Power PWB	1. Screw (K1) x2 2. Socket (K2) x1

Note:

After removing the connector for the optical pickup from the connector, wrap the conductive aluminium foil around the front end of the connector so as to protect the optical pickup from electrostatic damage.





CHAPTER 3. DIAGRAMS

[1] Block diagrams

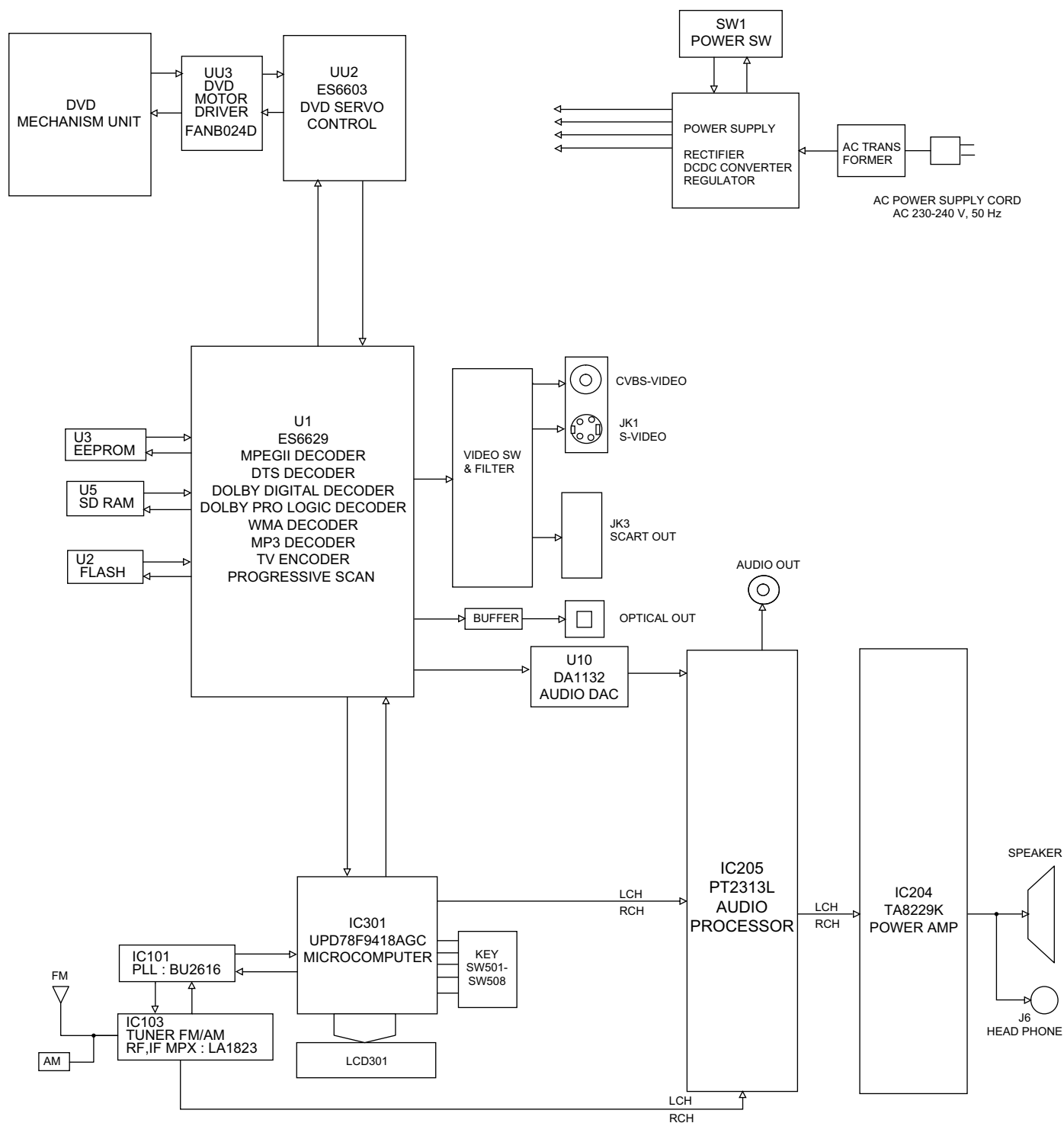


Figure 3-1 BLOCK DIAGRAM

CHAPTER 4. CIRCUIT DESCRIPTION

[1] Notes on schematic diagram

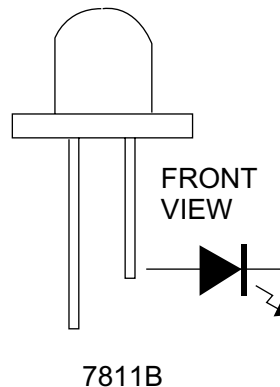
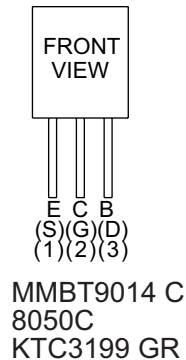
- Resistor:
To differentiate the units of resistors, such symbol as K and M are used: the symbol K means 1000 ohm and the symbol M means 1000 kohm and the resistor without any symbol is ohm-type resistor. Besides, the one with "Fusible" is a fuse type.
- Capacitor:
To indicate the unit of capacitor, a symbol P is used: this symbol P means pico-farad and the unit of the capacitor without such a symbol is microfarad. As to electrolytic capacitor, the expression Ocapacitance/withstand voltageO is used.
(CH), (TH), (RH), (UJ): Temperature compensation
(ML): Mylar type
(P.P.): Polypropylene type

REF. NO	DESCRIPTION	POSITION
SW1	POWER	ON—OFF
SW501	VOLUME DOWN	ON—OFF
SW502	VOLUME UP	ON—OFF
SW503	STOP	ON—OFF
SW504	PLAY	ON—OFF

- Schematic diagram and Wiring Side of P.W.Board for this model are subject to change for improvement without prior notice.
- The indicated voltage in each section is the one measured by Digital Multimeter between such a section and the chassis with no signal given.
 1. In the tuner section,
indicates AM
indicates FM stereo
 2. In the main section, a tape is being played back.
 3. In the deck section, a tape is being played back.
() indicates the record state.
 4. In the power section, a tape is being played back.
 5. In the CD section, the CD is stopped.
- Parts marked with "△" (□ = □ = □) are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

REF. NO	DESCRIPTION	POSITION
SW505	SKIP DOWN	ON—OFF
SW506	SKIP UP	ON—OFF
SW507	TUNER (BAND)	ON—OFF
SW508	OPEN/CLOSE	ON—OFF

[2] Types of transistor and LED



[3] Voltage

IC103 LA1823

1	1.26V	7	0.05V	13	4.19V	19	1.05V
2	1.26V	8	0.1V	14	4.28V	20	4.93V
3	4.96V	9	4.96V	15	4.25V	21	4.89V
4	4.96V	10	1.25V	16	1.16V	22	4.89V
5	2.51V	11	1.25V	17	1.17V	23	0V
6	0V	12	1.08V	18	1.25V	24	0.82V

IC101 BU2616

1	2.33V	7	0.08V	13	0V
2	1.93V	8	0V	14	2.25V
3	0V	9	0.05V	15	4.88V
4	0V	10	0V	16	1.13V
5	0V	11	0.05V	17	1.11V
6	0.05V	12	0.07V	18	0V

Q101 8050C

C	13.65V
B	5.77V
E	5.14V

Q102 8050C

C	13.8V
B	5.59V
E	4.97V

Q100 8050C

C	13.72V
B	11.52V
E	11V

Q103 3199GR

C	1.15V
B	1.96V
E	0.65V

Q104 3199GR

C	1.96V
B	0.65V
E	0V

Q109 3199GR

C	1.33V
B	1.25V
E	0.65V

Q1103 199GR

C	1.33V
B	0.65V
E	0V

Q106 9014C

C	4.25V
B	0.05V
E	0.82V

Q107 9014C

C	0.05V
B	2.88V
E	2.17V

Q108 9018G

C	4.72V
B	2.88V
E	2.17V

IC202 IRF7313

1	5.17V
2	0.99V
3	0V
4	3.6V
5	5.17V
6	5.17V
7	13.24V
8	13.24V

IC204 TA8229K

1	0V	9	6.77V
2	12.34V	10	0.6V
3	6.54V	11	0V
4	13.36V	12	0V
5	6.5V	13	0.6V
6	12.3V	14	0V
7	0V	15	0V
8	12.66V		

IC205 PT2313L

1	4.14V	9	4.14V	17	4.16V	25	4.19V
2	8.35V	10	4.14V	18	4.14V	26	0V
3	0V	11	4.15V	19	4.16V	27	5.15V
4	4.15V	12	4.15V	20	4.16V	28	5.20V
5	4.18V	13	4.17V	21	4.15V		
6	4.18V	14	4.17V	22	4.16V		
7	4.16V	15	4.16V	23	4.18V		
8	4.16V	16	4.17V	24	4.17V		

Q302 9014C

C	4.49V
B	0V
E	0V

Q203 8050C

C	5.93V
B	6.57V
E	0V

Q211 9014C

C	0.45V
B	0V
E	0V

Q210 HE8550

C	0.18V
B	13.40V
E	13.41V

Q212 HE8550

C	10.08V
B	9.35V
E	10.10V

IC203 IRU3048

1	0V	9	8.0V
2	1.23V	10	4.53V
3	1.58V	11	5.8V
4	1.80V	12	15.99V
5	17.63V	13	6.6V
6	0.99V	14	1.12V
7	3.53V	15	2.94V
8	0V	16	1.23V

Q213 9014C

C	0.05V
B	0.68V
E	0V

Q214 9014C

C	0.45V
B	0V
E	0V

Q215 9014C

C	0.9V
B	0V
E	0V

Q206 9014C

C	0V
B	0V
E	0V

Q2079014C

C	0V
B	0V
E	0V

Q205 9014C

C	0V
B	0.7V
E	0V

Q216 HE8550

C	0V
B	13.87V
E	13.87V

Q202 HE8550

C	13.87V
B	13.20V
E	13.87V

IC201 IRF7313

1	3.51V
2	5.8V
3	0V
4	4.53V
5	3.51V
6	3.51V
7	13.24V
8	13.24V

Q301 9014C

C	0V
B	0.7V
E	0V

Q201 9014C

C	2.94V
B	0V
E	0V

Q204 9014C

C	0V
B	0.70V
E	0V

Q208 9014C

C	4.40V
B	0V
E	0V

Q209 9014C

C	4.50V
B	0V
E	0V

Q303 9014C

C	3.99V
B	0V
E	0V

IC301 D789406A

1	5.16V	21	1.40V	41	0.18	61	5.18V
2	2.75V	22	1.40V	42	0.39V	62	5.16V
3	2.75V	23	1.40V	43	0.35V	63	0V
4	1.79V	24	1.40V	44	0.29V	64	0V
5	0.96V	25	1.40V	45	0V	65	5.12V
6	0V	26	1.39V	46	3.24V	66	5.18V
7	1.36V	27	1.39V	47	3.87V	67	5.18V
8	1.37V	28	1.39V	48	0V	68	5.05V
9	1.36V	29	1.37V	49	5.18V	69	3.0V
10	1.37V	30	1.37V	50	5.18V	70	0V
11	1.39V	31	1.37V	51	0.68V	71	5.18V
12	1.40V	32	1.37V	52	5.11V	72	3.11V
13	1.39V	33	1.37V	53	0V	73	2.52V
14	1.40V	34	1.37V	54	1.95V	74	0V
15	1.38V	35	1.37V	55	1.85V	75	5.17V
16	1.36V	36	1.40V	56	3.3V	76	0V
17	1.37V	37	1.40V	57	0V	77	0V
18	1.37V	38	1.37V	58	0V	78	5V
19	1.40V	39	5.45V	59	0V	79	5.13V
20	1.40V	40	5.45V	60	4.35	80	5.15V

CHAPTER 5. CIRCUIT SCHEMATICS AND PARTS LAYOUT

[1] Schematic diagram

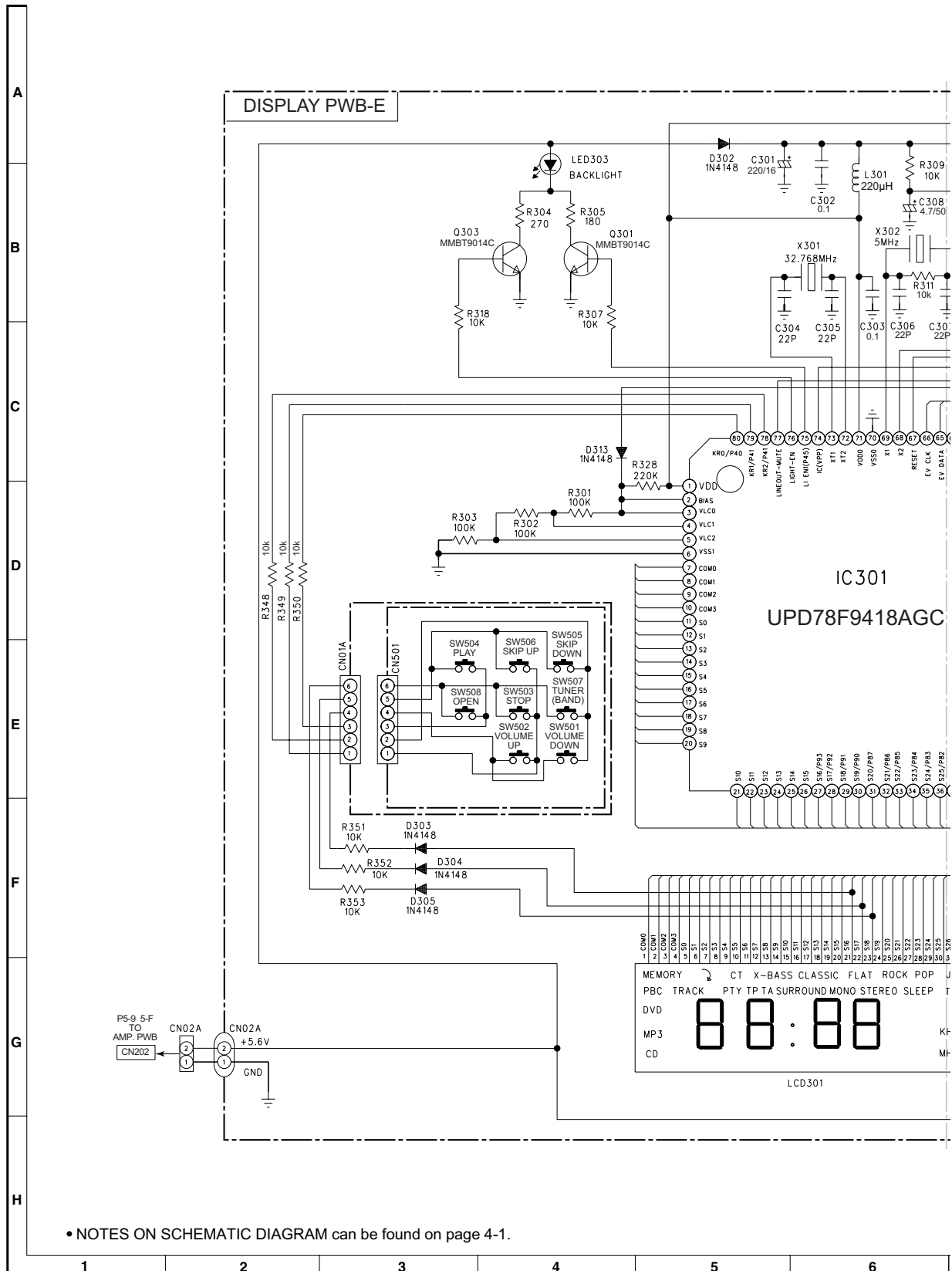


Figure 5-1 SCHEMATIC DIAGRAM (1/12)

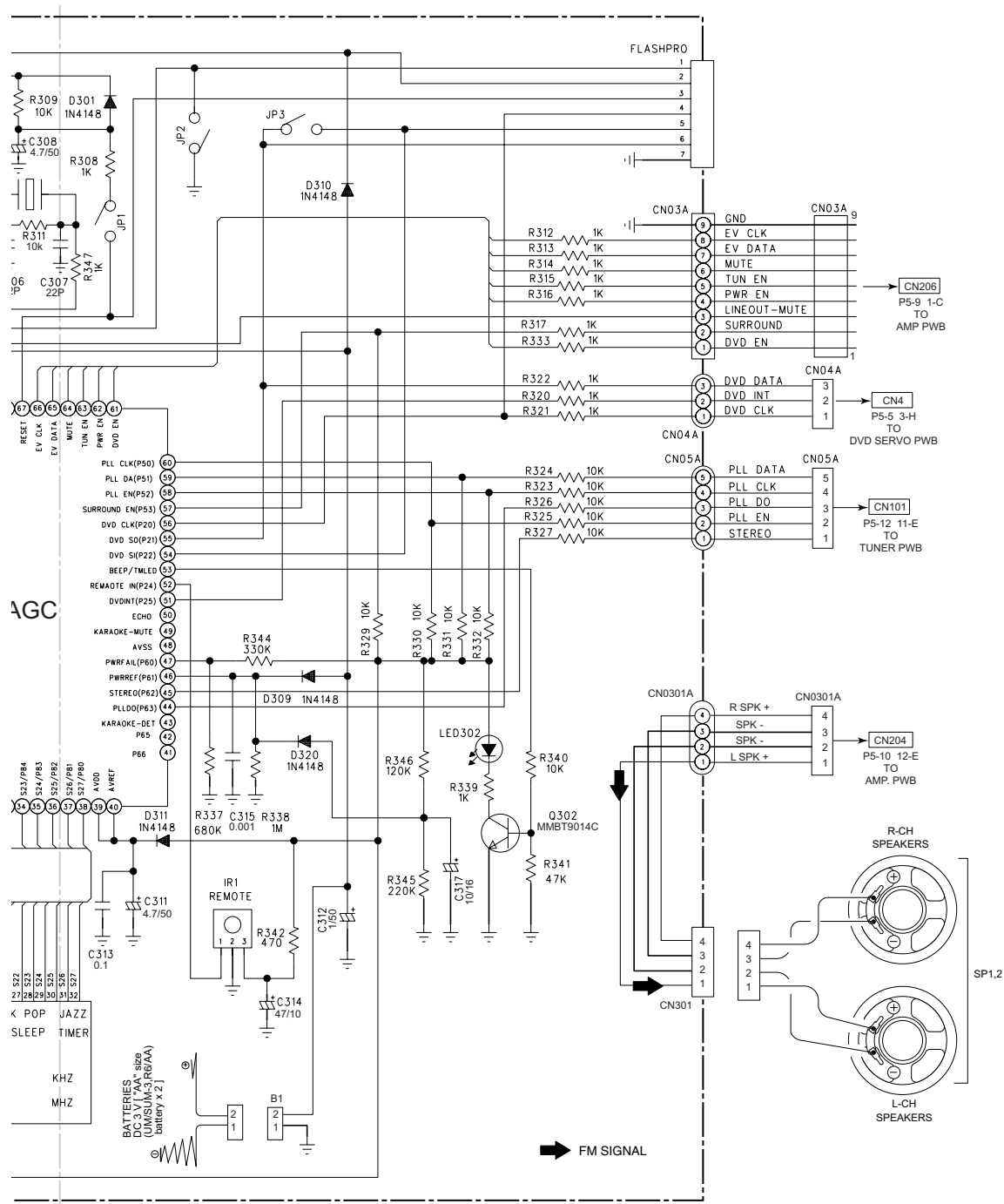


Figure 5-2 SCHEMATIC DIAGRAM (2/12)

A

B

C

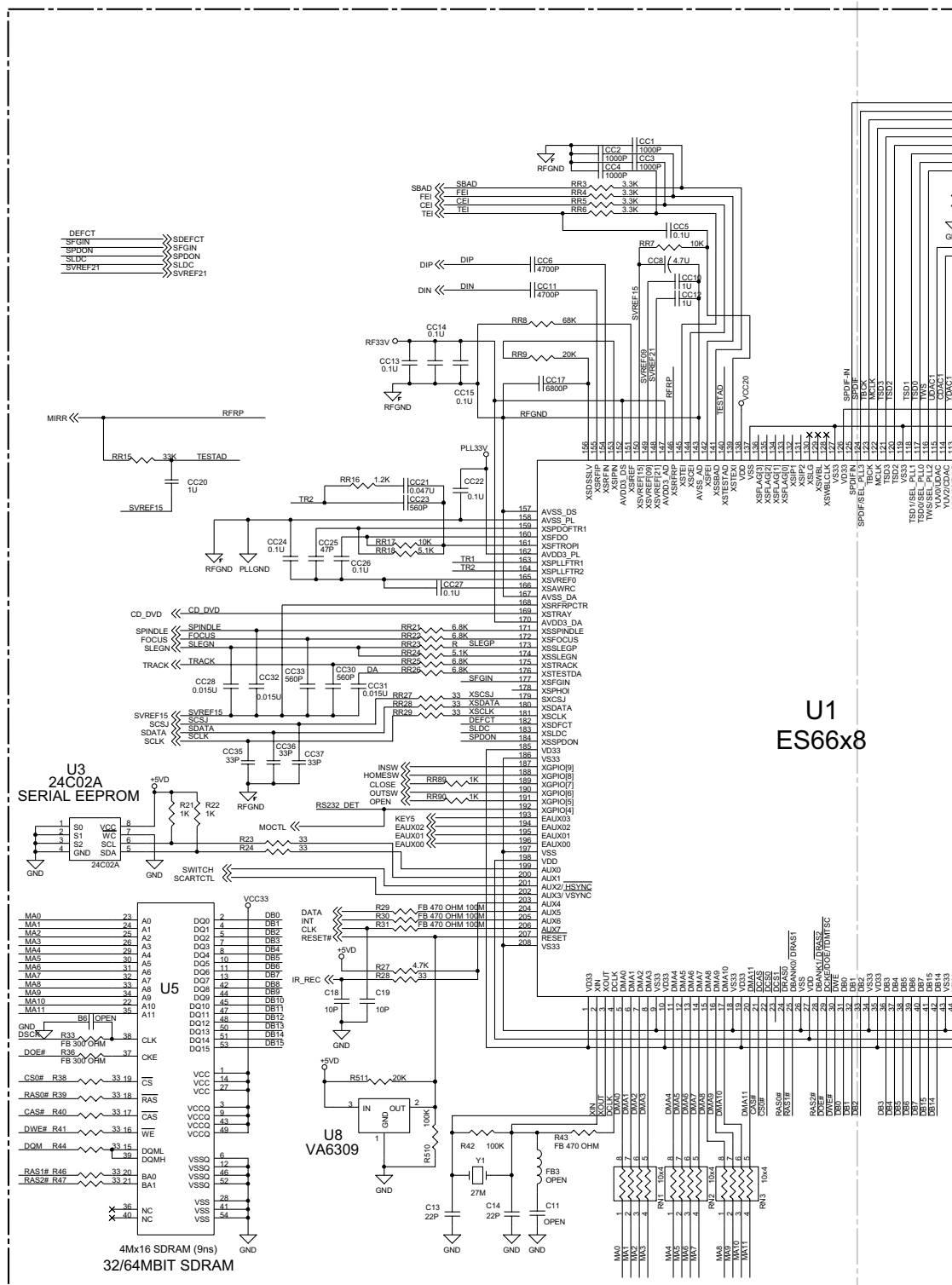
D

E

F

G

H



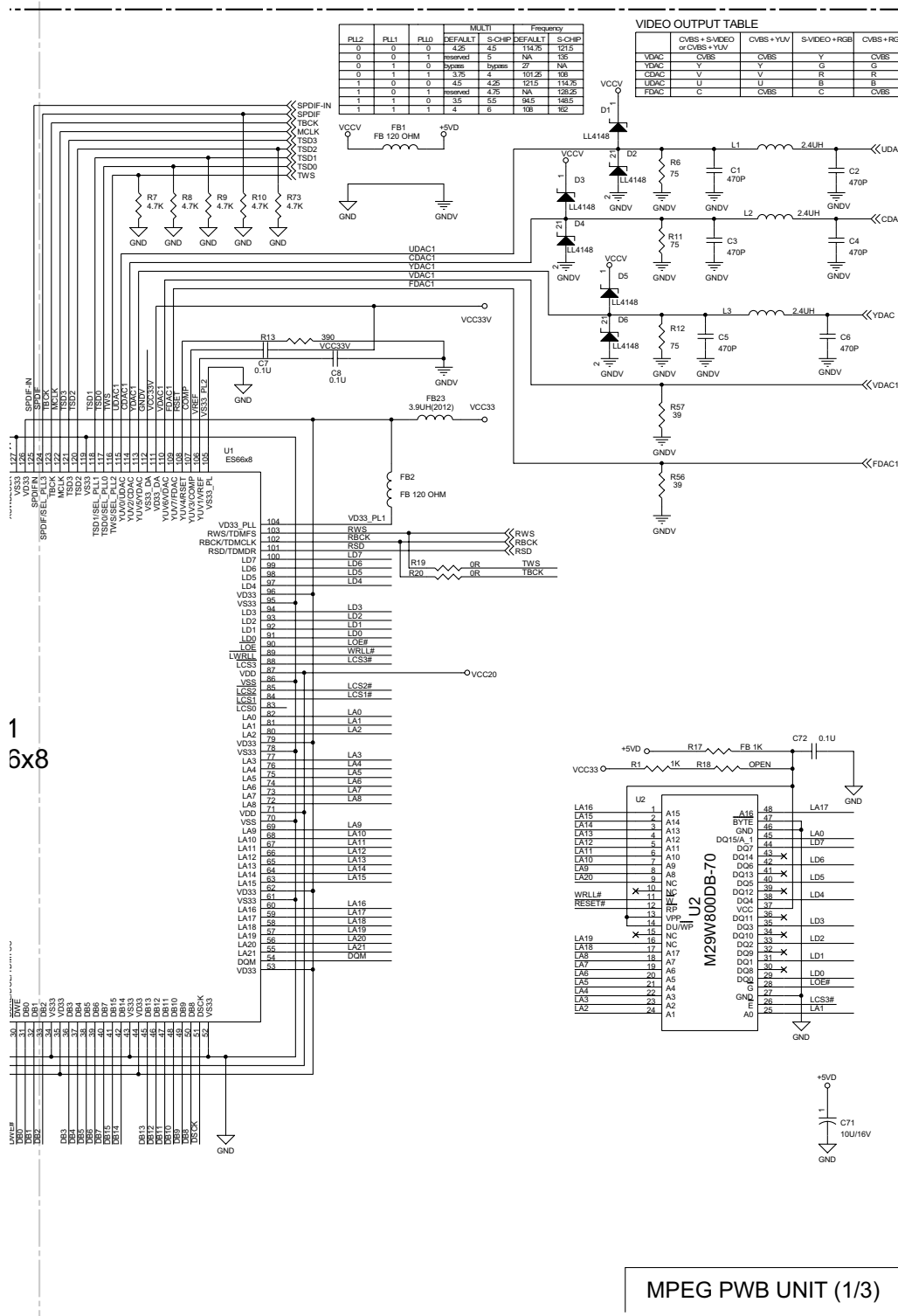


Figure 5-4 SCHEMATIC DIAGRAM (4/12)



5-5

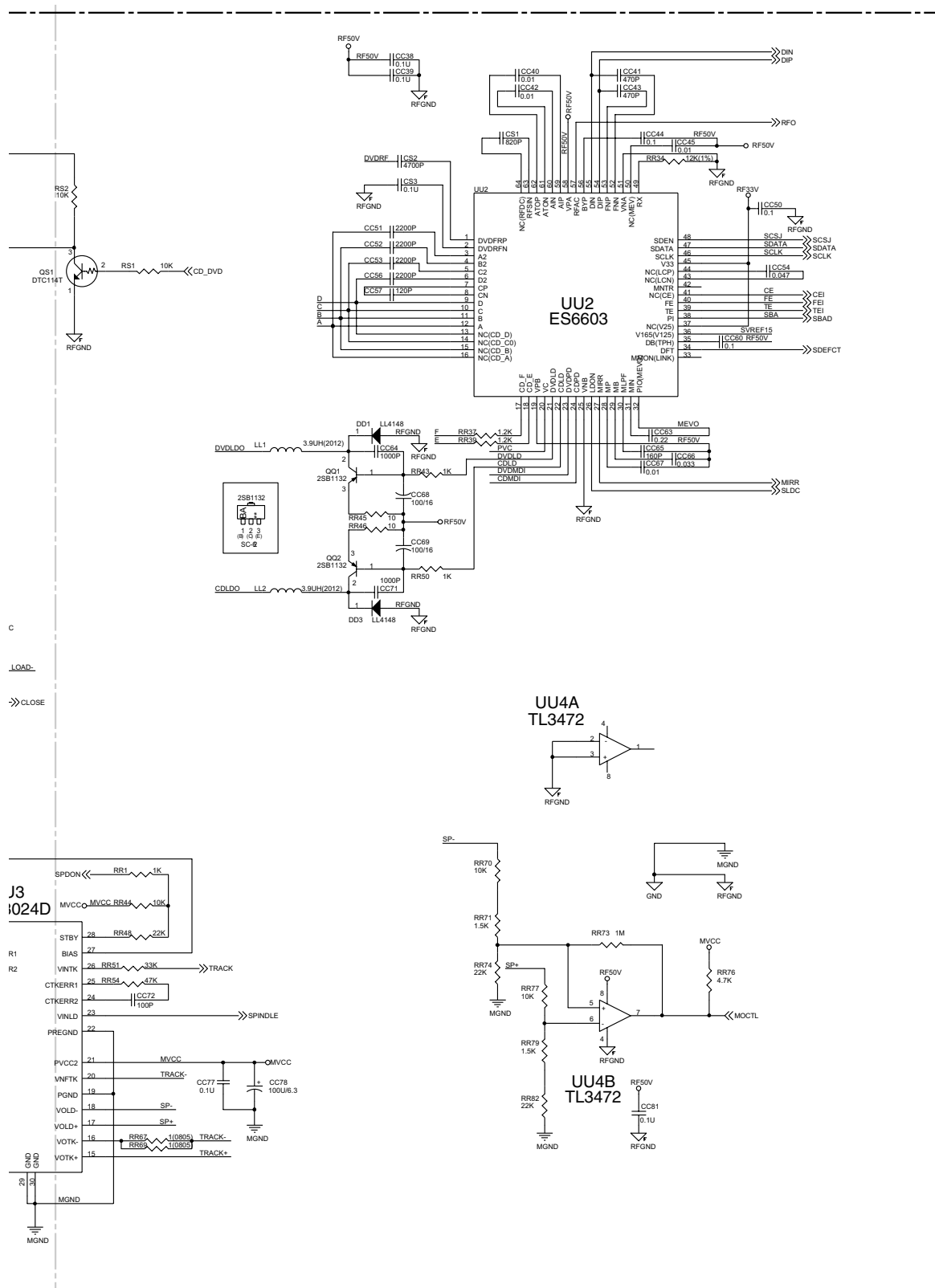


Figure 5-6 SCHEMATIC DIAGRAM (6/12)

U10
DA1132
2-CHANNEL AUDIO OUT
WOLFSON 2-CHANNEL AUDIODAC



5-7

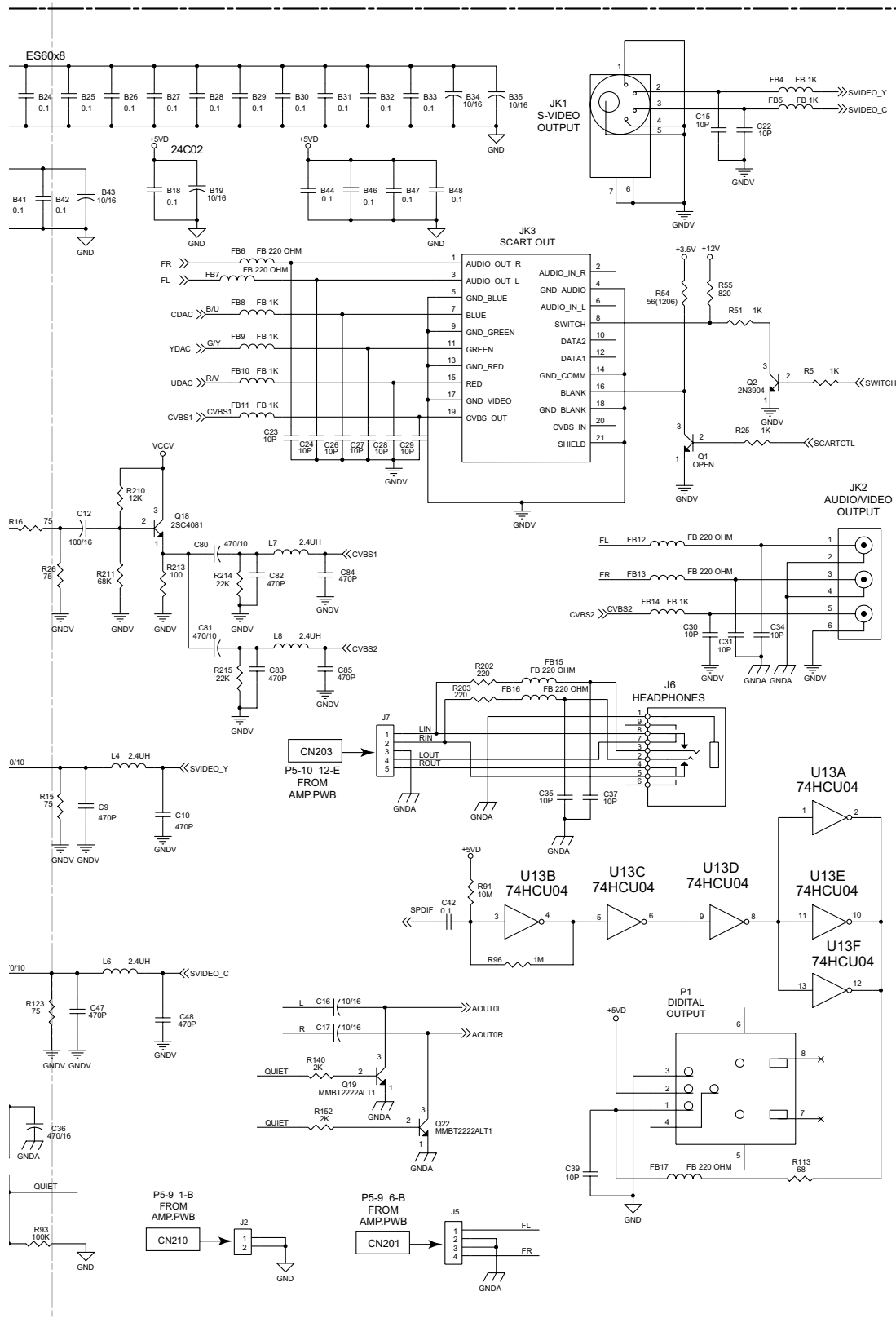
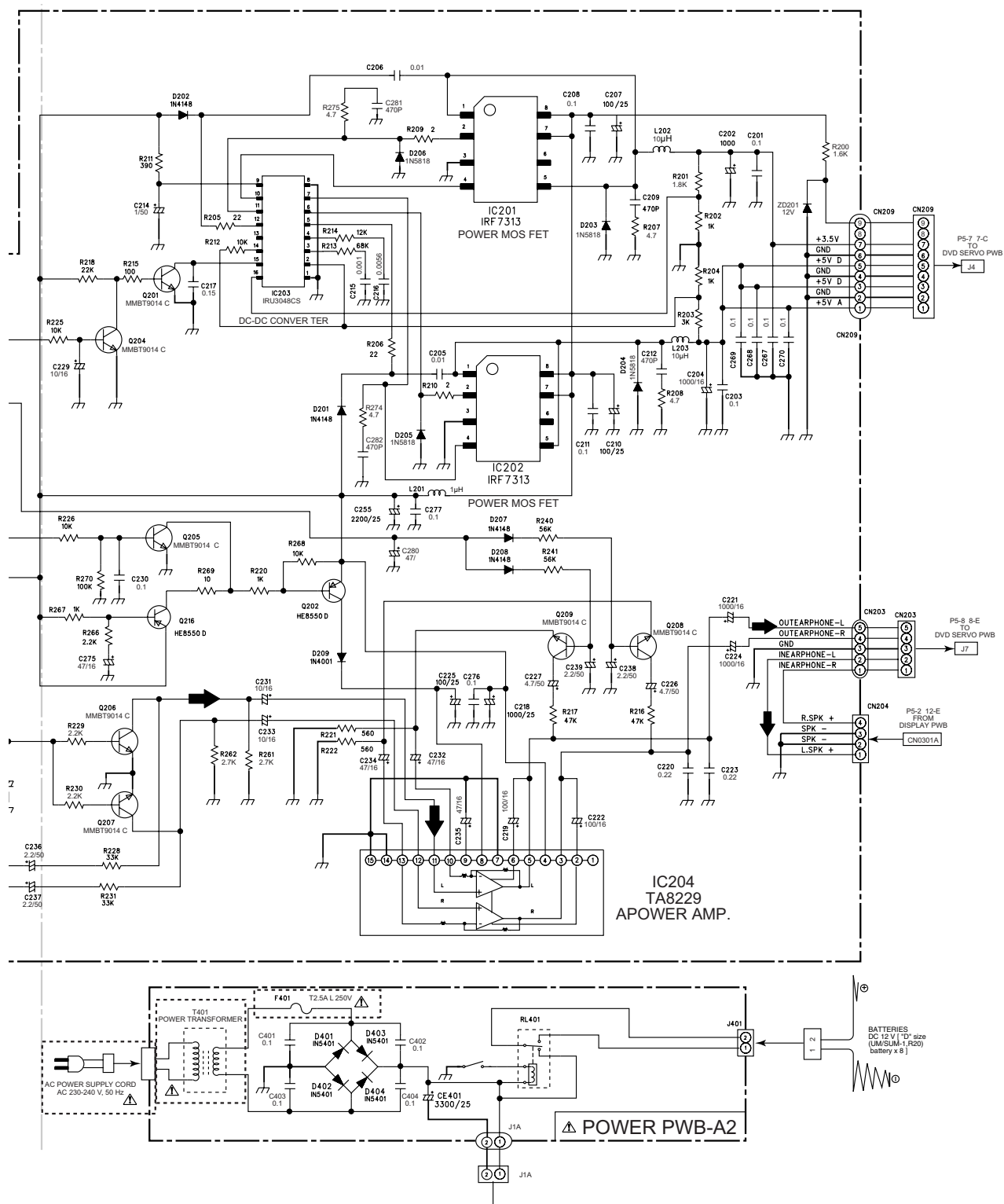


Figure 5-8 SCHEMATIC DIAGRAM (8/12)



5-9



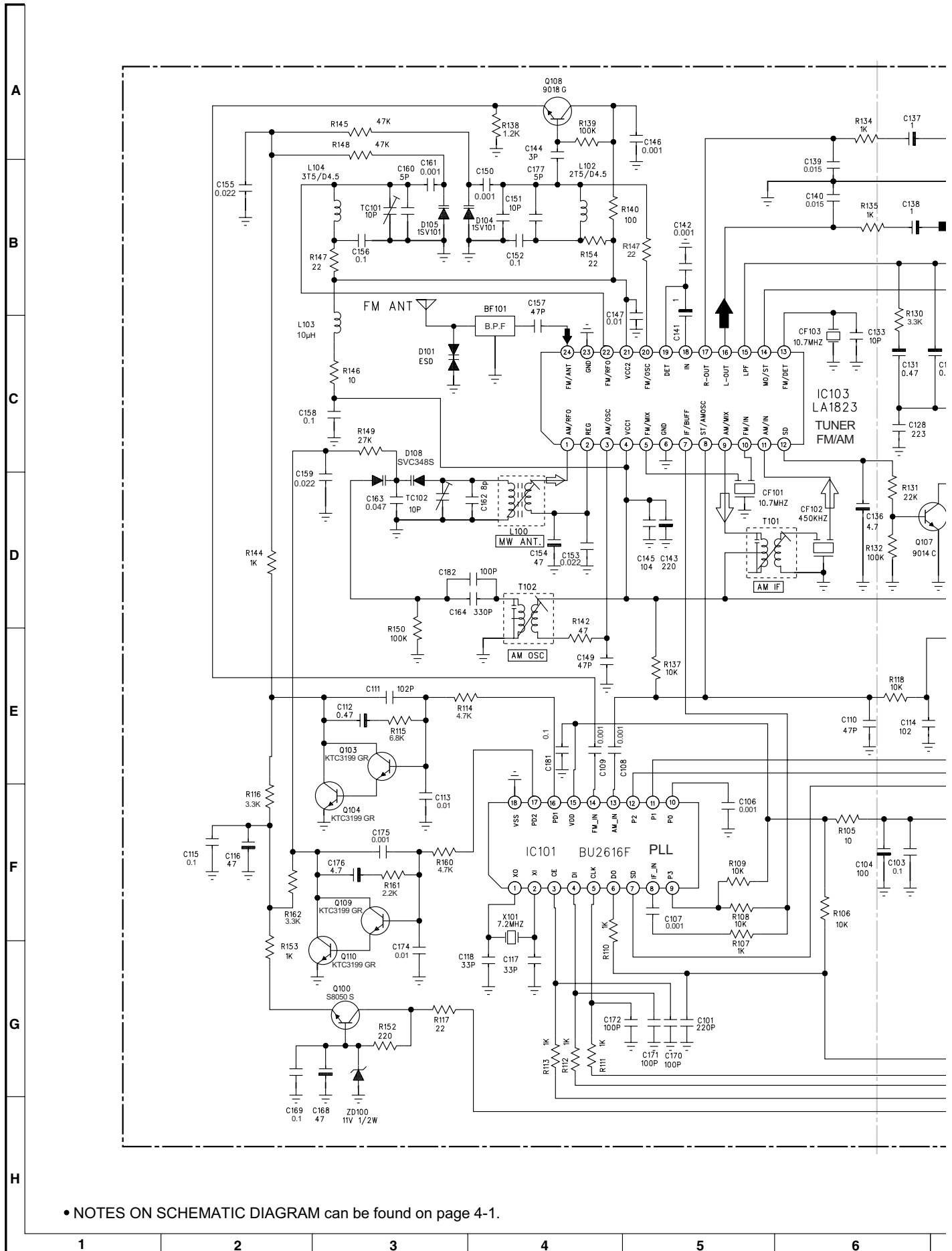


Figure 5-11 SCHEMATIC DIAGRAM (11/12)

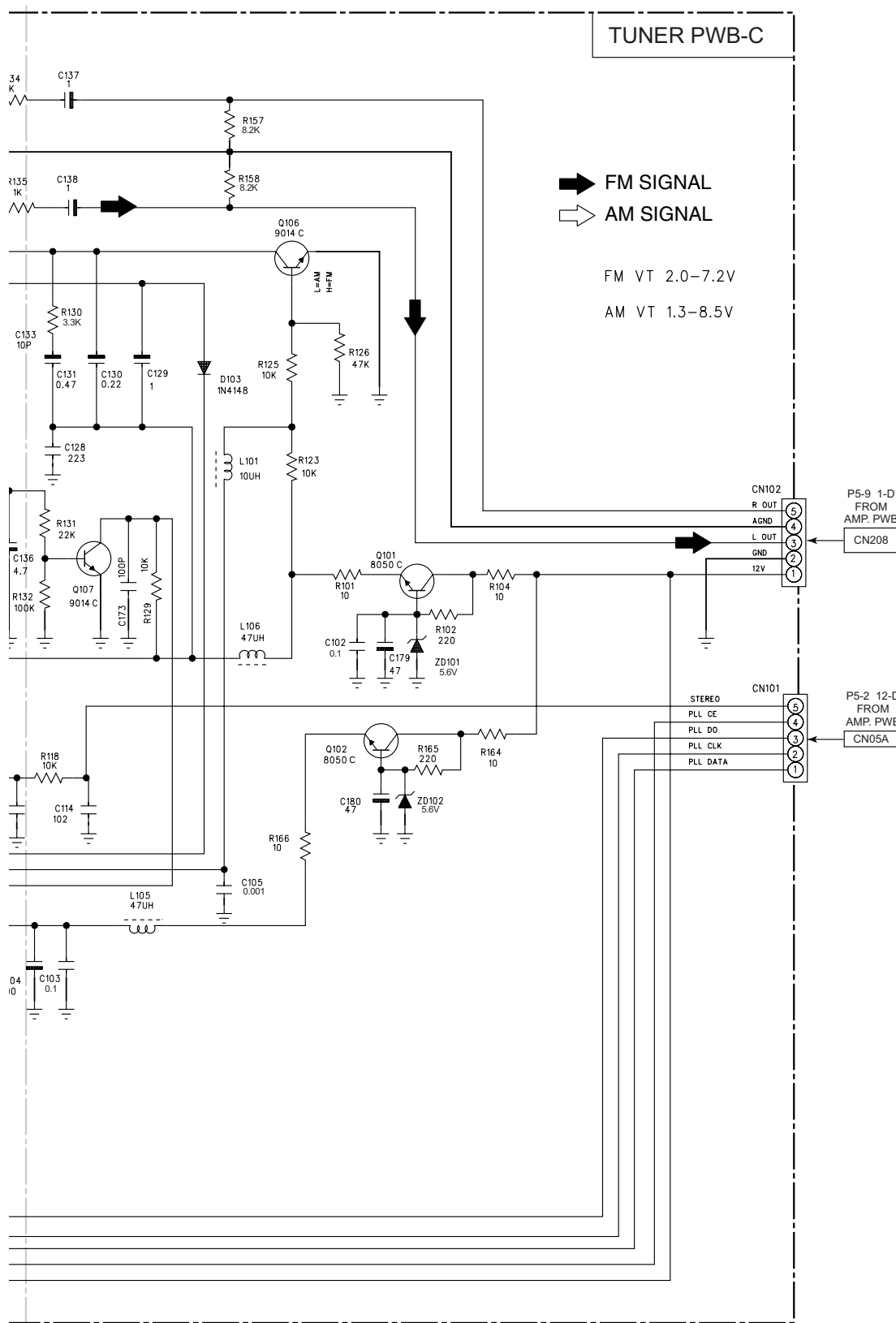


Figure 5-12 SCHEMATIC DIAGRAM (12/12)

[2] Wiring side of PWB

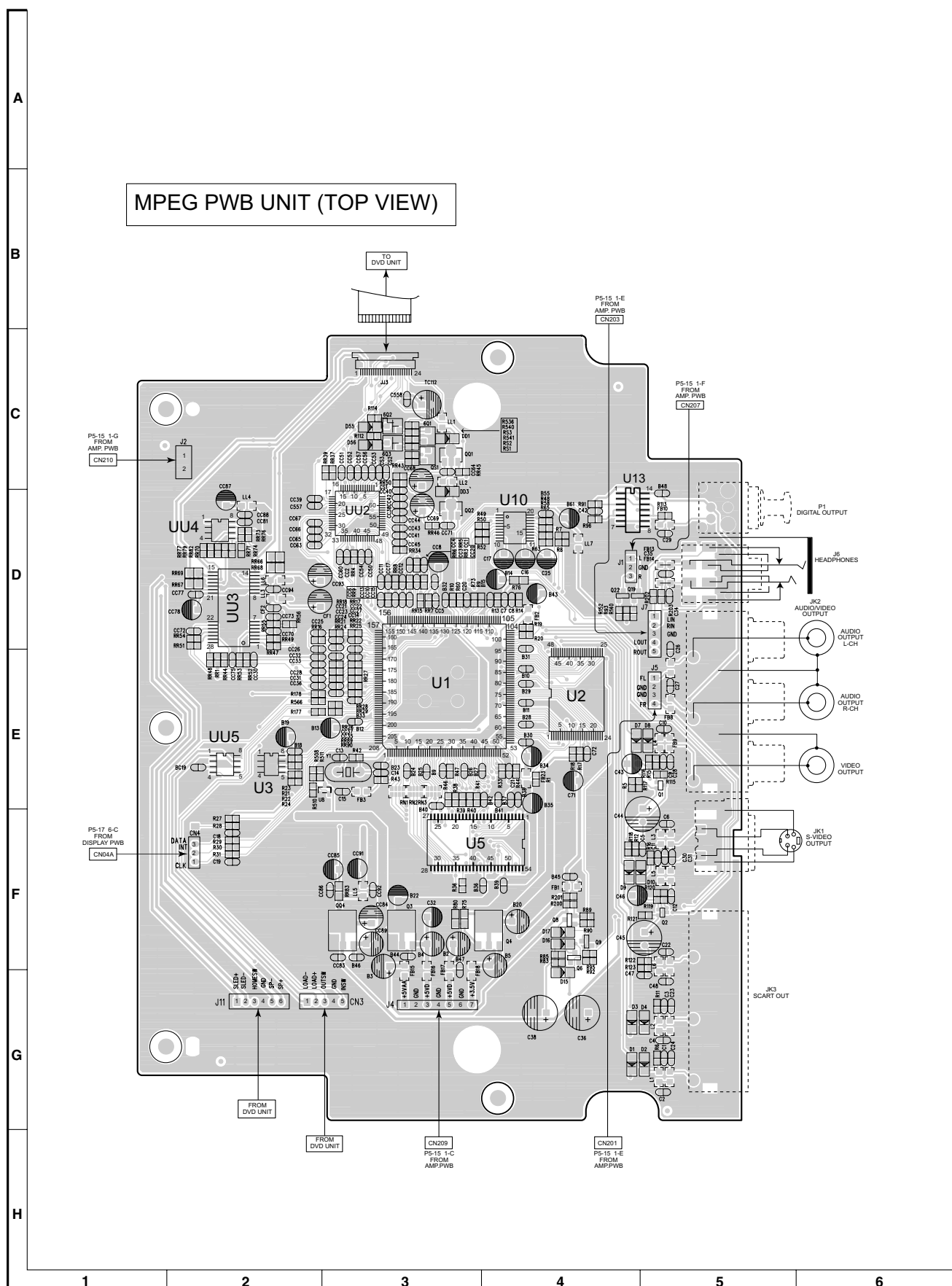
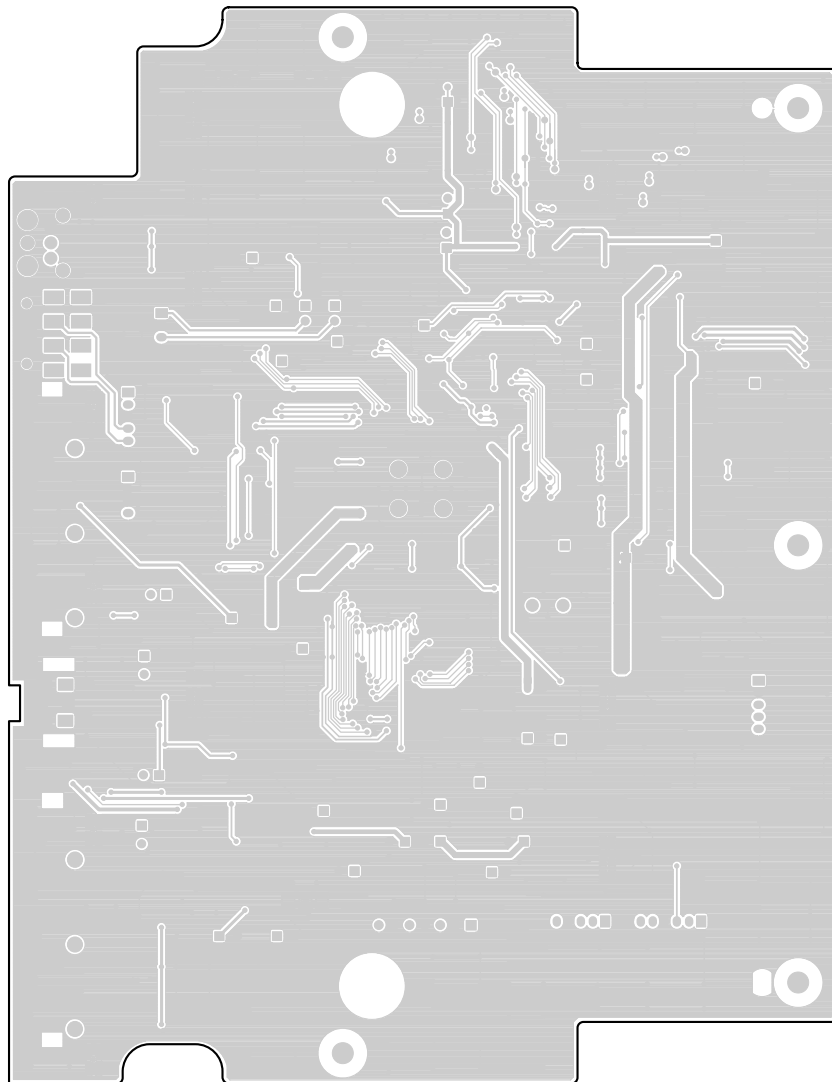


Figure 5-13 WIRING SIDE OF PWB (1/6)

MPEG PWB UNIT (BOTTOM VIEW)



7	8	9	10	11	12
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Figure 5-14 WIRING SIDE OF PWB (2/6)

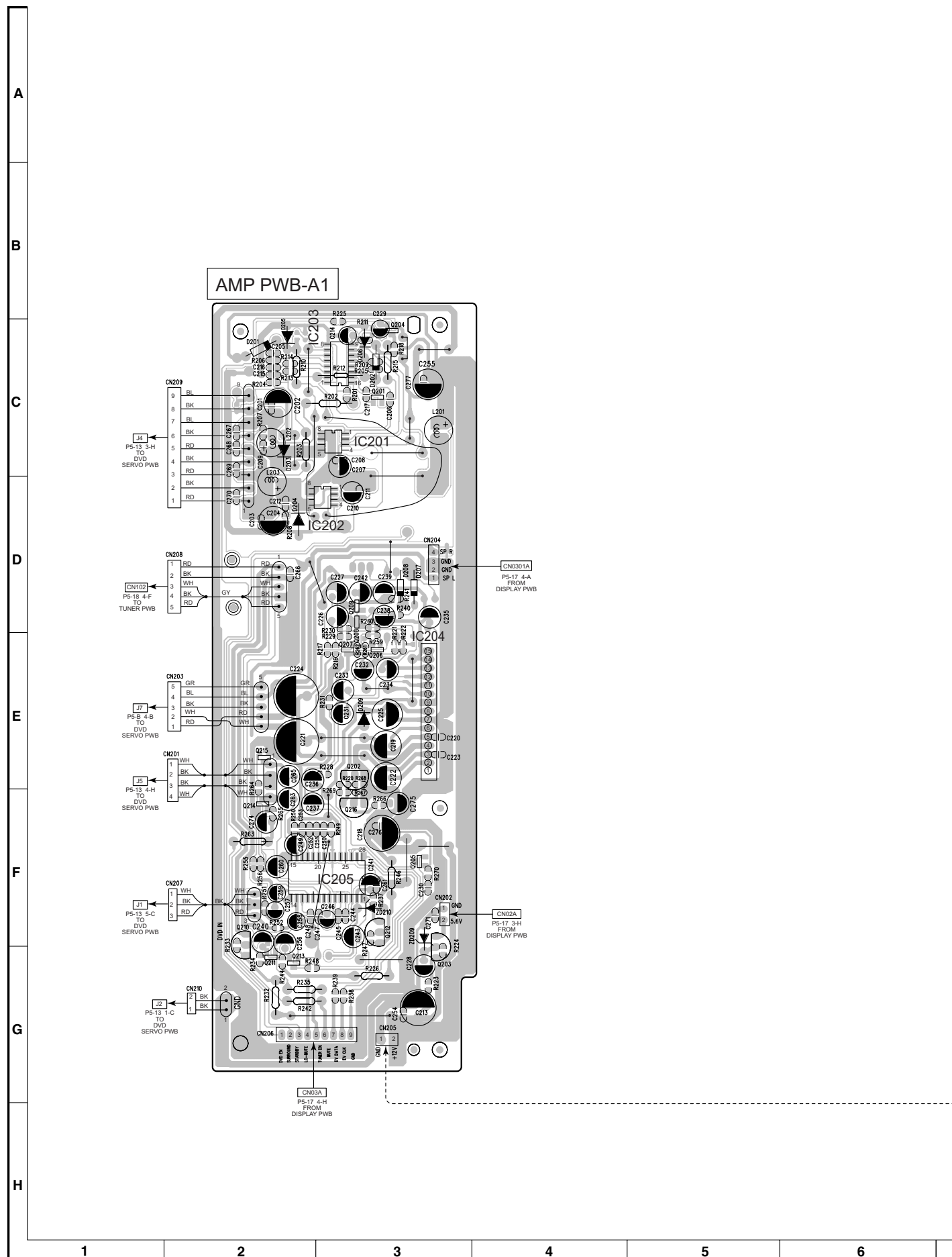
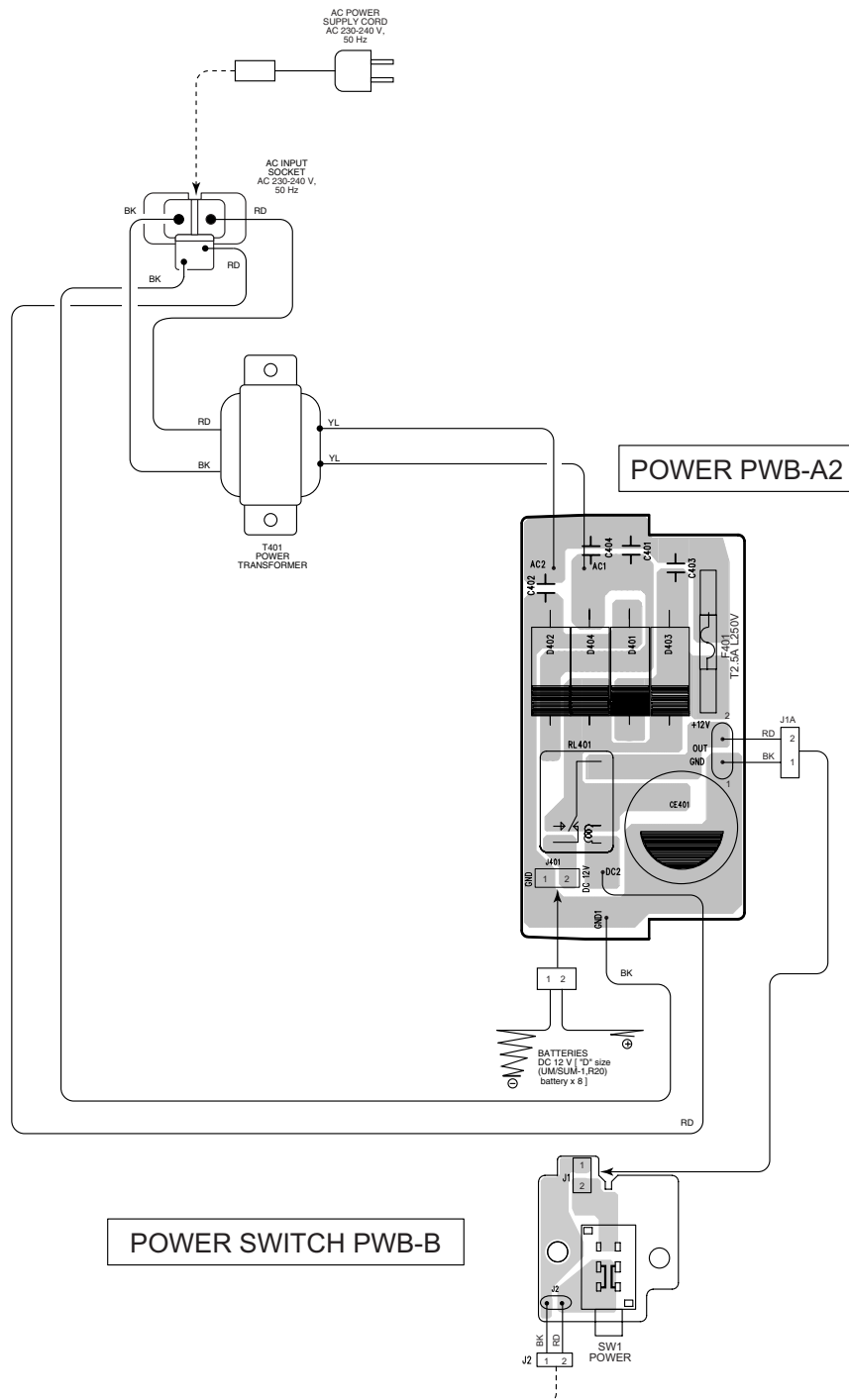


Figure 5-15 WIRING SIDE OF PWB (3/6)



7	8	9	10	11	12
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Figure 5-16 WIRING SIDE OF PWB (4/6)

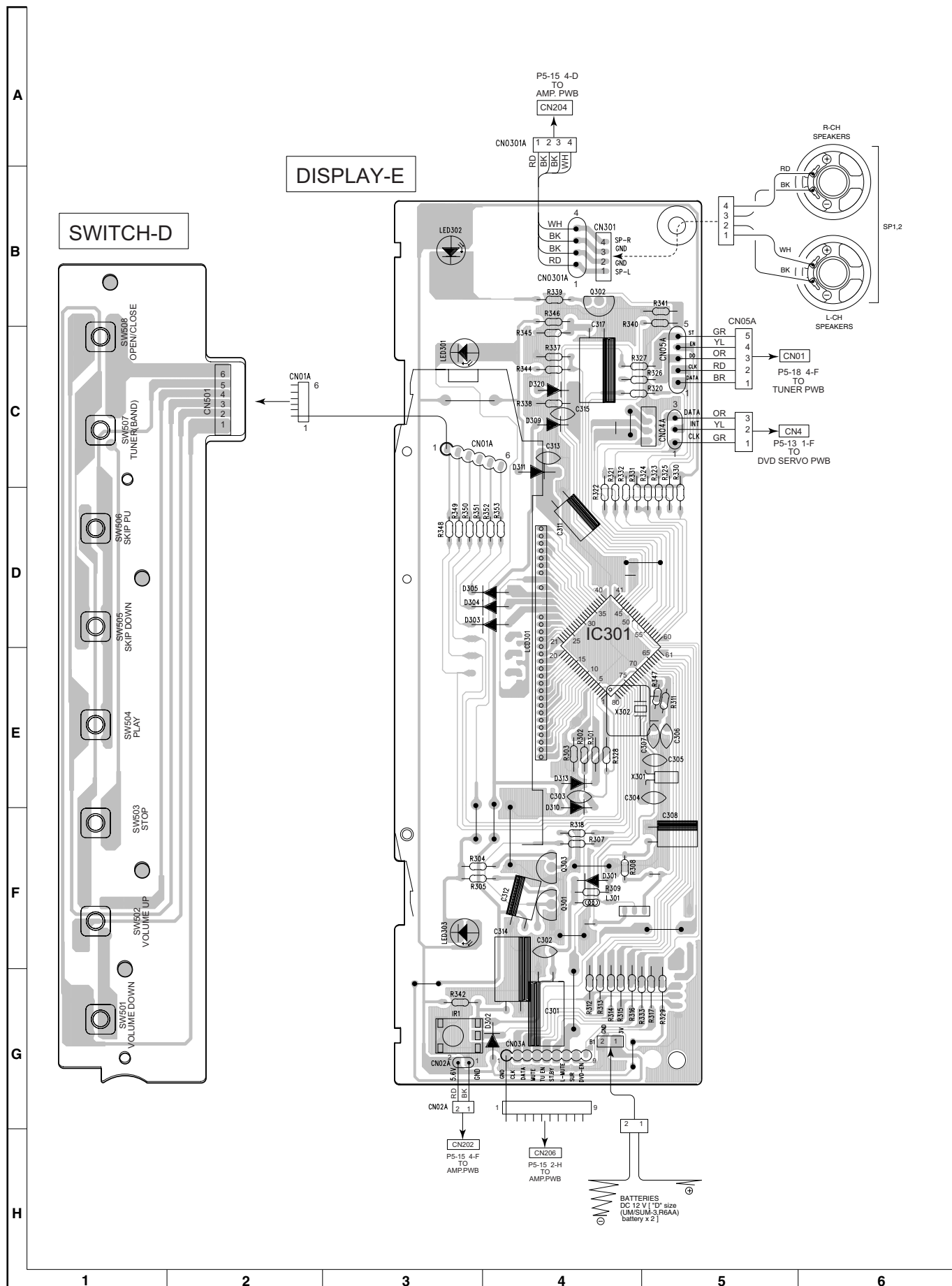


Figure 5-17 WIRING SIDE OF PWB (5/6)

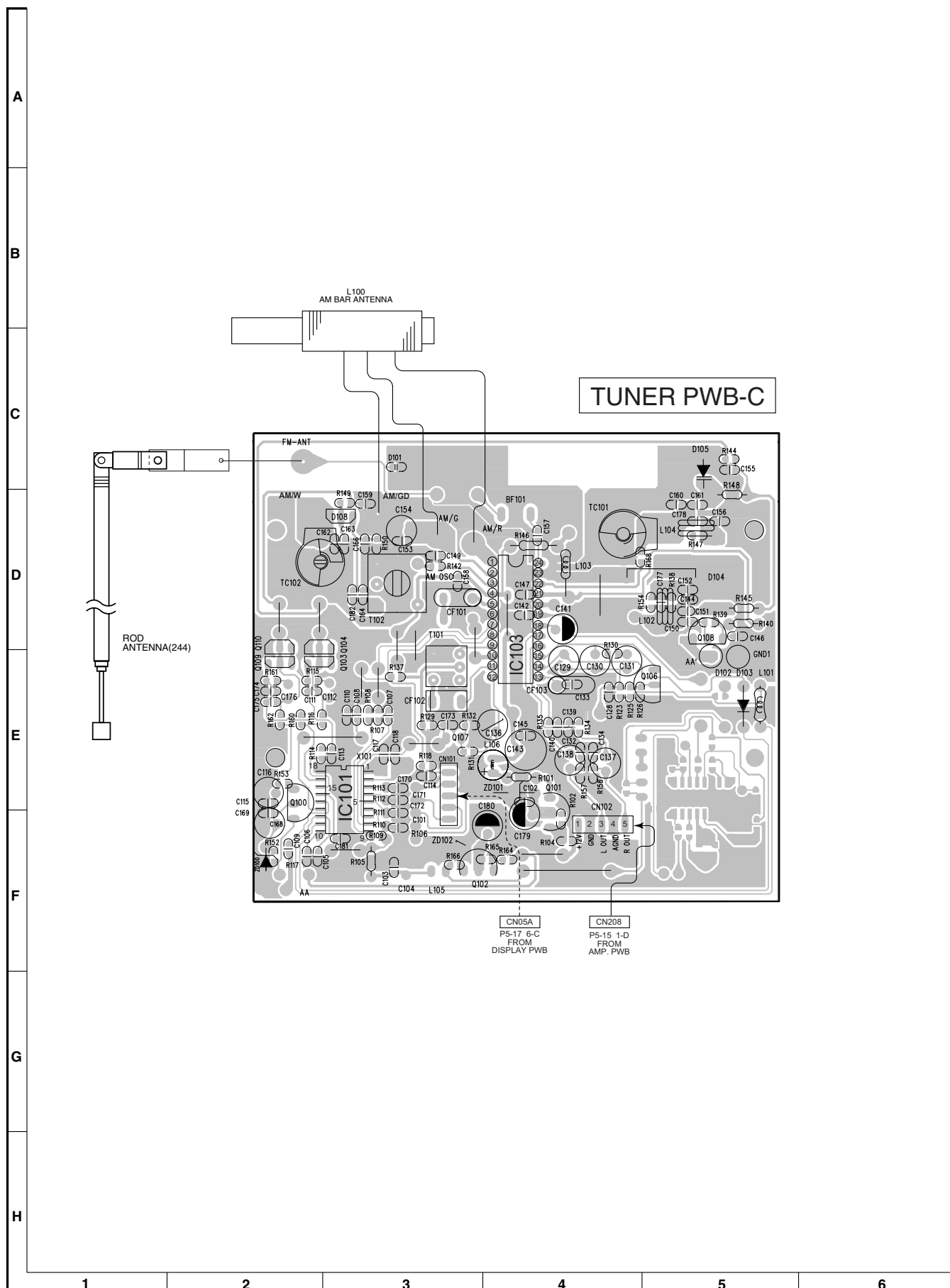


Figure 5-18 WIRING SIDE OF PWB (6/6)

CHAPTER 6. OTHERS

[1] Function table of IC

IC101 9HX06526160501: PLL (BU2616F)

Pin No.	Terminal Name	Input/Output	Setting in Reset	Function
1	XOUT	OUTPUT	Crystal oscillation	For generation of standard frequency and internal clock. Connected to 7.2 MHz crystal resonator.
2	XIN	INPUT	Crystal oscillation	
3	CE	INPUT	Chip enable	When CE is H, DA is synchronous with the rise of CK and read to the internal shift register. DA is then latched at the timing of the fall of CE. Also, output data is output from the CD terminal synchronous to the rise.
4	DA	INPUT	Serial data	
5	CK	INPUT	Clock signal	
6	DO	—	Data out	Comes ON during IF frequency detection or SD detection.
7	SD	INPUT	SD input	SD signal is input, Observed by DO terminal. Input is for IF frequency.
8	IFIN	INPUT	IF input	
9	P3	—	OUTPUT	Controlled on the basis of input.
10	P0	—		
11	P1	—		
12	P2	—		
13	AMIN	INPUT	AM input	Local input for AM.
14	FMIN	INPUT	FM input	Local input for AM.
15	VDD	INPUT	Power supply	Power supply, with 4.0 V to 6.0 V applied voltage.
16	PD1	—	Phase comparison output	High level when value obtained by dividing local output is higher than standard frequency. Low level when value is lower. High impedance when value is same.
17	PD2	—		
18	VSS	—	GROUND	GROUND

IC203 9HX06830480284: DC-DC Converter (IRU3048CS)

Pin No.	Terminal Name	Function
1	GND	Ground pin.
2	FB2	Inverting inputs to the error amplifiers. These pins work as feedback inputs for each channel, and are connected directly to the output of the switching regulator via a resistor divider to set the output voltages.
3	COMP1	Compensation pins for the error amplifiers.
4	COMP2	Compensation pins for the error amplifiers.
5	VCH2	Supply voltage for the high side output drivers. These are connected to voltages that must be at least 4 v higher than their bus voltages (assuming 5 v threshold MOSFET). A minimum of 1 μ F high frequency capacitor must be connected from these pins to PGng pin to provide peak drive current capability.
6	HDRV2	Output driver for the high side power MOSFET. Connect a diode, such as BAT54 or 1N4148, from these pins to ground for the application when the inductor current goes negative (Source/Sink), soft-start at no load and for the fast load transient from full load to no load.
7	LDRV2	Output driver for the synchronous power MOSFET.
8	PGND	This pin serves as the separate ground for MOSFET's driver and should be connected to the system's ground plane.
9	VCC	Supply voltage for the internal blocks of the IC.
10	LDRV1	Output driver for the synchronous power MOSFET.
11	HDRV1	Output driver for the high side power MOSFET. Connect a diode, such as BAT54 or 1N4148, from these pins to ground for the application when the inductor current goes negative (Source/Sink), soft-start at no load and for the fast load transient from full load to no load.
12	VCH1	Supply voltage for the high side output drivers. These are connected to voltages that must be at least 4 v higher than their bus voltages (assuming 5 v threshold MOSFET). A minimum of 1 μ F high frequency capacitor must be connected from these pins to PGng pin to provide peak drive current capability.
13	VOU3	Driver signal for the LDO's external transistor.
14	FB3	LDO's feedback pin, connected to a resistor divider to set the output voltage of LDO.
15	SS	Soft-Start pin. THE converter can be shutdown by pulling this pin below 0.5 v.
16	FB1	Inverting inputs to the error amplifiers. These pins work as feedback inputs for each channel, and are connected directly to the output of the switching regulator via a resistor divider to set the output voltages.

IC203 9HX06830480284: DC-DC Converter (IRU3048CS)

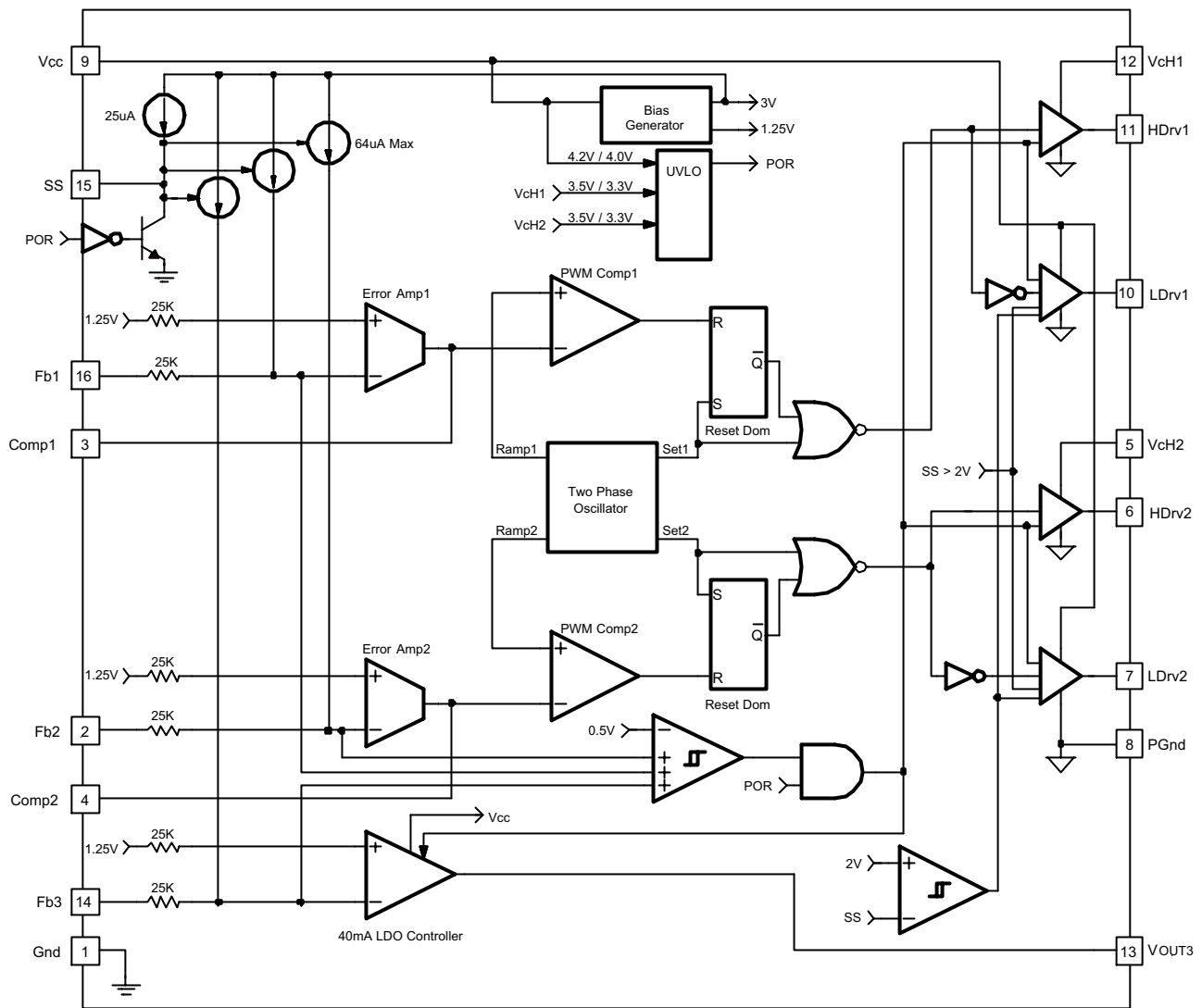


Figure 6-2 BLOCK DIAGRAM OF IC

Pin No.	Terminal Name	Input/Output	Function
1	RFE	INPUT	Analog reference voltage (1/2 VDD).
2	VDD	INPUT	Supply input voltage.
3	AGND	—	Analog ground.
4	TREB_L	INPUT	Left channel input for treble controller.
5	TREB_R	INPUT	Right channel input for treble controller.
6	RIN	INPUT	Audio processor right channel input.
7	ROUT	OUTPUT	Gain output and input selector for right channel.
8	LOUD_R	INPUT	Right channel loudness input.
9	RIN3	INPUT	Right channel input 3.
10*	RIN2	INPUT	Right channel input 2
11	RIN1	INPUT	Right channel input 1
12	LOUD_L	INPUT	Left channel loudness input.
13	LIN3	INPUT	Left channel input 3.
14	LIN2*	INPUT	Left channel input 2.
15	LIN1	INPUT	Left channel input 1.
16	LIN	INPUT	Audio processor left channel input
17	LOUT	OUTPUT	Gain output and input selector for left channel.
18	BIN_L	INPUT	Left channel input for bass controller.
19	BOUT_L	OUTPUT	Left channel output for bass controller.
20	BIN_R	INPUT	Right channel input for bass controller.
21	BOUT_R	OUTPUT	Right channel output for bass controller.
22*	RROUT	OUTPUT	Right rear speaker output.
23*	LROUT	OUTPUT	Left rear speaker output.
24	RFOUT	OUTPUT	Right front speaker output.
25	LFOUT	OUTPUT	Left front speaker output.
26	DGND	—	Digital Ground
27	DATA	INPUT	Control data input
28	CLK	INPUT	Clock input for serial data transmission.

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

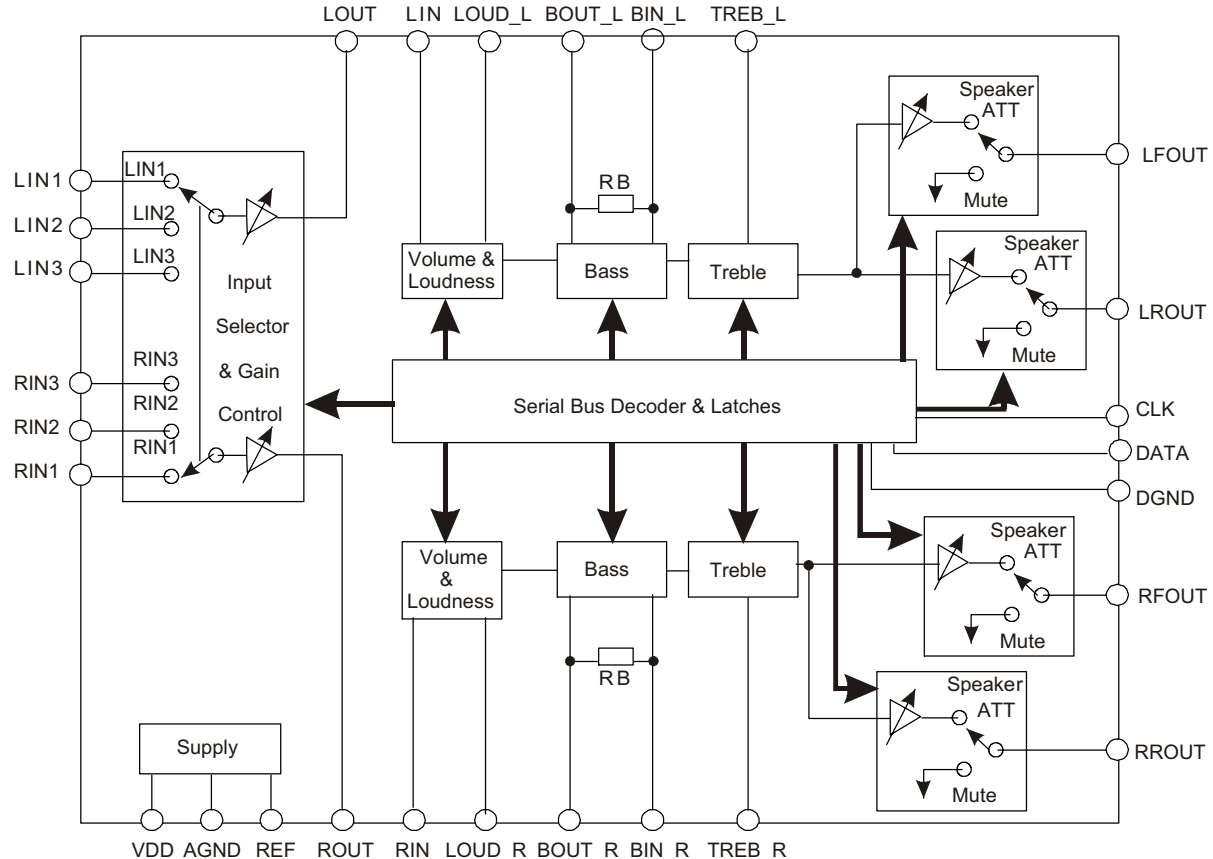


Figure 6-3 BLOCK DIAGRAM OF IC

SHARP PARTS GUIDE

No. XXXXXXXXXXXXX

DVD/CD SYSTEM

MODEL QT-V5E

DVD/CD SYSTEM

MODEL QT-V5H

CONTENTS

- | | |
|-------------------------|--|
| [1] INTEGRATED CIRCUITS | [9] CAPACITORS |
| [2] TRANSISTORS | [10] RESISTORS |
| [3] DIODES | [11] OTHER CIRCUITRY
PARTS |
| [4] FILTERS | [12] CABINET PARTS |
| [5] TRANSFORMERS | [13] ACCESSORIES |
| [6] COILS | [14] P.W.B. ASSEMBLY
(Not Replacement Item) |
| [7] VARIABLE CAPACITORS | |
| [8] VIBRATORS | ■ INDEX |

Parts marked with "△" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[1] INTEGRATED CIRCUITS					
I C101	9HX06526160501				IC PLL BU2616F
I C103	9HX01518230035				IC TUNER FM/AM LA1823
I C201	9HX04873130284				IC IRF7313 (POWER MOSFET) (SO-8)
I C202	9HX04873130284				IC IRF7313 (POWER MOSFET) (SO-8)
I C203	9HX06830480284				IC IRU3048CS (DC-DC CONVERTERCONTROL) (SOIC)
I C204	9HX00782290105				IC POWER AMP.,TA8229K
I C205	9HX03523130047				IC AUDI PROCESSOR,PT2313L
I C301	9HX06094180585				IC MICROCOMPUTER,UPD78F9418AGC
[2] TRANSISTORS					
Q100	9HX10380500300				TR NPN 8050C
Q101	9HX10380500300				TR NPN 8050C
Q102	9HX10380500300				TR NPN 8050C
Q103	9HX10331992700				TR NPN KTC3199 (GR)
Q104	9HX10331992700				TR NPN KTC3199 (GR)
Q106	9HX10390140300				TR NPN MMBT 9014C
Q107	9HX10390140300				TR NPN MMBT 9014C
Q108	9HX10390180700				TR NPN 9018G
Q109	9HX10331992700				TR NPN KTC3199 (GR)
Q110	9HX10331992700				TR NPN KTC3199 (GR)
Q201	9HX10390140300				CHIP TR MMBT9014C
Q202	9HX10385500400				TR HE 8550D
Q203	9HX10380500300				TR NPN 8050C
Q204	9HX10390140300				CHIP TR MMBT9014C
Q205	9HX10390140300				CHIP TR MMBT9014C
Q206	9HX10390140300				CHIP TR MMBT9014C
Q207	9HX10390140300				CHIP TR MMBT9014C
Q208	9HX10390140300				CHIP TR MMBT9014C
Q209	9HX10390140300				CHIP TR MMBT9014C
Q210	9HX10385500400				TR HE 8550D
Q211	9HX10390140300				CHIP TR MMBT9014C
Q212	9HX10385500400				TR HE 8550D
Q213	9HX10390140300				CHIP TR MMBT9014C
Q214	9HX10390140300				CHIP TR MMBT9014C
Q215	9HX10390140300				CHIP TR MMBT9014C
Q216	9HX10385500400				TR HE 8550D
Q301	9HX10390140300				TR NPN MMBT 9014C
Q302	9HX10390140300				TR NPN MMBT 9014C
Q303	9HX10390140300				TR NPN MMBT 9014C
[3] DIODES					
D7	9HX12470400003				LED BACKLIT FOR DISPLAY (ORANGE)
D101	9HX10600060300				DIODE ESD-0603ESDA
D103	9HX10600414800				DIODE 1N4148
D104	9HX10620010105				FM TUNING DIODE 1SV101
D105	9HX10620010105				FM TUNING DIODE 1SV101
D108	9HX10610034800				AM TUNING DIODE SVC-348S-AL
D201	9HX10600414800				DIODE 1N4148
D202	9HX10600414800				DIODE 1N4148
D203	9HX10600581800				SCHOTTKY BARRIER DIODE 1N5818
D204	9HX10600581800				SCHOTTKY BARRIER DIODE 1N5818
D205	9HX10600581800				SCHOTTKY BARRIER DIODE 1N5818
D206	9HX10600581800				SCHOTTKY BARRIER DIODE 1N5818
D207	9HX10600414800				DIODE 1N4148
D208	9HX10600414800				DIODE 1N4148
D209	9HX10601400100				DIODE 1N4001 50V/1A
D301	9HX10600414800				DIODE 1N4148
D302	9HX10600414800				DIODE 1N4148
D303	9HX10600414800				DIODE 1N4148
D304	9HX10600414800				DIODE 1N4148
D305	9HX10600414800				DIODE 1N4148
D309	9HX10600414800				DIODE 1N4148
D310	9HX10600414800				DIODE 1N4148
D311	9HX10600414800				DIODE 1N4148
D313	9HX10600414800				DIODE 1N4148
D320	9HX10600414800				DIODE 1N4148
D401	9HX10613540100				DIODE 1N5401 100V/3A
D402	9HX10613540100				DIODE 1N5401 100V/3A
D403	9HX10613540100				DIODE 1N5401 100V/3A
D404	9HX10613540100				DIODE 1N5401 100V/3A
LED302					
LED302	9HX12400200001				LED RED DIA 3mm (7811B) (LONG LEAD 30mm)
LED303					
ZD100	9HX10601100510				ZENER DIODE+-5% 11V
ZD101	9HX10600560510				ZENER DIODE+-5% 5V6
ZD102	9HX10600560510				ZENER DIODE+-5% 5V6
ZD201					
ZD209	9HX10600620510				ZENER DIODE+-5% 6.2V
ZD210	9HX10600820510				ZENER DIODE+-5% 8V2
[4] FILTERS					
BF101	9HX12720100303				FM BPF (GFMB3)-SOSHIN
CF101	9HX12722210701				FILTER LT10.7MS3MIDAS (RED)
CF102	9HX12710145003				FILTER 450KC (SFU450B) (RIXIUN)
CF103	9HX12722110761				DISCRIMINATOR JT10.7MG-EMIDAS (RED)

△

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[5] TRANSFORMERS					
T101	9HX11844002600				AM IFT YEL 7mm (7232)AHK7-850981
T102	9HX11925001900				AM OSC RED 10mm (7938)CEC 0A10-862928
T401	9HX12306600110				7321 X'FORMER,NC-B4749TM3 BS-STD,240V,EI-66/28,FUSED
[6] COILS					
L100					
L101	9HX11600100000				INDUCTOR (R-TYPE) 10uH (OD3x8)
L102	9HX11993560400				COIL 3T5 D3.5 #0.6 ACW <3564>
L103	9HX11600100000				INDUCTOR (R-TYPE) 10uH (OD3x8)
L104	9HX11994580400				COIL 3T5 D4.5 #0.8 ACW <4584>
L105	9HX11600470000				CHOKE COIL 47uH
L105	9HX11913000703				AM COIL 62:24 D10 (3+1) (L1=125
L106	9HX11600470000				CHOKE COIL 47uH
L201	9HX11600010000				CHOKE COIL 1uH (CW57-1ROM)
L202	9HX11600100002				CHOKE COIL 10uH,2A (CW65-100K)
L203	9HX11600100002				CHOKE COIL 10uH,2A (CW65-100K)
L301	9HX11601220000				CHOKE COIL 220uH (H500-0039-28K)
[7] VARIABLE CAPACITORS					
TC101	9HX11513001000				CAP TRIMMER 10p 3 LEADS
TC102	9HX11513001000				CAP TRIMMER 10p 3 LEADS
[8] VIBRATORS					
X101	9HX12002720016				CRYSTAL 7.2MHz (HC49U)+-30PPM / JF7.200-134
X301	9HX12003276801				CRYSTAL JF32.768-140 d2x6
X302	9HX12025000000				CRYSTAL JF5.000000-1101-185MHZ +-30ppm (HC49U)
[9] CAPACITORS					
C101	9HX11215122002				CHIP CAP 50V+-10% 220p (0603)
C102	9HX11217410002				CHIP CAP 50V +80-20% 0.1u (0603)=100000p
C103	9HX11217410002				CHIP CAP 50V +80-20% 0.1u (0603)=100000p
C104	9HX11303071060				E CAP 16V +80-20% 100u (5x11)
C105	9HX11216210002				CHIP CAP 50V+-20% 0.001u (0603)=1000p
C106	9HX11216210002				CHIP CAP 50V+-20% 0.001u (0603)=1000p
C107	9HX11216210002				CHIP CAP 50V+-20% 0.001u (0603)=1000p
C108	9HX11216210002				CHIP CAP 50V+-20% 0.001u (0603)=1000p
C109	9HX11216210002				CHIP CAP 50V+-20% 0.001u (0603)=1000p
C110	9HX11215047002				CHIP CAP 50V+-10% 47p (0603)
C111	9HX11216210002				CHIP CAP 50V+-20% 0.001u (0603)=1000p
C112	9HX11308044720				E CAP 50V+-20% 0.47u (5x11)
C113	9HX11217310002				CHIP CAP 50V +80-20% 0.01u (0603)=10000p
C114	9HX11216210002				CHIP CAP 50V+-20% 0.001u (0603)=1000p
C115	9HX11217410002				CHIP CAP 50V +80-20% 0.1u (0603)=100000p
C116	9HX11303064760				E CAP 16V +80-20% 47u
C117	9HX11215033002				CHIP CAP 50V+-10% 33p (0603)
C118	9HX11215033002				CHIP CAP 50V+-10% 33p (0603)
C128	9HX11216322002				CHIP CAP 50V+-20% 0.022u (0603)=22000p
C129	9HX11308051020				E CAP 50V+-20% 1u (5x11)
C130	9HX11308042220				E CAP 50V+-20% 0.22u (5x11)
C131	9HX11308044720				E CAP 50V+-20% 0.47u (5x11)
C133	9HX11214005002				CHIP CAP 50V+-5% 5p (0603)
C136	9HX11308054720				E CAP 50V+-20% 4.7 (5x11)
C137	9HX11308051020				E CAP 50V+-20% 1u (5x11)
C138	9HX11308051020				E CAP 50V+-20% 1u (5x11)
C139	9HX11217315002				CHIP CAP 50V +80-20% 0.015u (0603)=15000p
C140	9HX11217315002				CHIP CAP 50V +80-20% 0.015u (0603)=15000p
C141	9HX11308051020				E CAP 50V+-20% 1u (5x11)
C142	9HX11216210002				CHIP CAP 50V+-20% 0.001u (0603)=1000p
C143	9HX11303072260				E CAP 16V +80-20% 220u
C144	9HX11214003002				CHIP CAP 50V+-5% 3p (0603)
C145	9HX11217410002				CHIP CAP 50V +80-20% 0.1u (0603)=100000p
C146	9HX11216210002				CHIP CAP 50V+-20% 0.001u (0603)=1000p
C147	9HX11217310002				CHIP CAP 50V +80-20% 0.01u (0603)=10000p
C149	9HX11215047002				CHIP CAP 50V+-10% 47p (0603)
C150	9HX11216210002				CHIP CAP 50V+-20% 0.001u (0603)=1000p
C151	9HX11215010002				CHIP CAP 50V+-10% 10p (0603)
C152	9HX11217410002				CHIP CAP 50V +80-20% 0.1u (0603)=100000p
C153	9HX11216322002				CHIP CAP 50V+-20% 0.022u (0603)=22000p
C154	9HX11303064760				E CAP 16V +80-20% 47u
C155	9HX11216322002				CHIP CAP 50V+-20% 0.022u (0603)=22000p
C156	9HX11217410002				CHIP CAP 50V +80-20% 0.1u (0603)=100000p
C157	9HX11215047002				CHIP CAP 50V+-10% 47p (0603)
C158	9HX11217410002				CHIP CAP 50V +80-20% 0.1u (0603)=100000p
C159	9HX11216322002				CHIP CAP 50V+-20% 0.022u (0603)=22000p
C160	9HX11214005002				CHIP CAP 50V+-5% 5p (0603)
C161	9HX11216210002				CHIP CAP 50V+-20% 0.001u (0603)=1000p
C162	9HX11214008002				CHIP CAP 50V+-5% 8p (0603)
C163	9HX11217347002				CHIP CAP 50U +80-20% 0.047U (0603)
C164	9HX11215133002				CHIP CAP 50V+-10% 330p (0603)
C166	9HX11214005002				CHIP CAP 50V+-5% 5p (0603)
C168	9HX11303064760				E CAP 16V +80-20% 47u
C169	9HX11217410002				CHIP CAP 50V +80-20% 0.1u (0603)=100000p
C170	9HX11215110002				CHIP CAP 50V+-10% 100p (0603)
C171	9HX11215110002				CHIP CAP 50V+-10% 100p (0603)

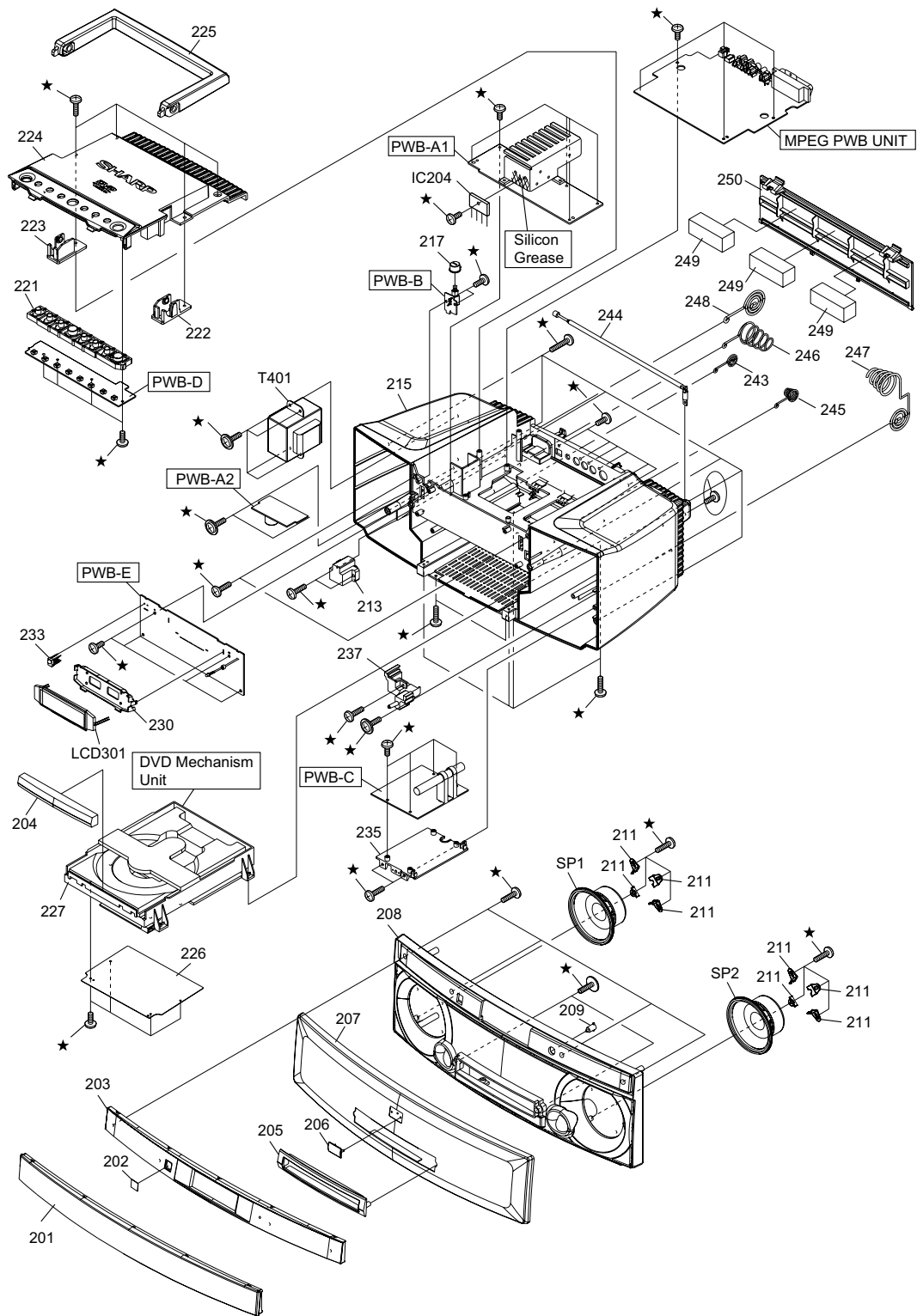
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[9] CAPACITORS					
C172	9HX11215110002				CHIP CAP 50V+-10% 100p (0603)
C173	9HX11215110002				CHIP CAP 50V+-10% 100p (0603)
C174	9HX11217310002				CHIP CAP 50V +80-20% 0.01u (0603)=10000p
C175	9HX11216210002				CHIP CAP 50V+-20% 0.001u (0603)=1000p
C176	9HX11308054720				E CAP 50V+-20% 4.7 (5x11)
C177	9HX11214005002				CHIP CAP 50V+-5% 5p (0603)
C178	9HX11215010002				CHIP CAP 50V+-10% 10p (0603)
C179	9HX11303064760				E CAP 16V +80-20% 47u
C180	9HX11303064760				E CAP 16V +80-20% 47u
C181	9HX11217410002				CHIP CAP 50V +80-20% 0.1u (0603)=100000p
C182	9HX11215110002				CHIP CAP 50V+-10% 100p (0603)
C201	9HX11217410002				CHIP CAP 50V +80-20% 0.1u (0603)=100000p
C202	9HX11303081020				E CAP 16V+-20% 1000u (10x20)LOW ESR
C203	9HX11217410002				CHIP CAP 50V +80-20% 0.1u (0603)=100000p
C204	9HX11303081020				E CAP 16V+-20% 1000u (10x20)LOW ESR
C205	9HX11217310002				CHIP CAP 50V +80-20% 0.01u (0603)=10000p
C206	9HX11217310002				CHIP CAP 50V +80-20% 0.01u (0603)=10000p
C207	9HX11304071060				E CAP 25V +80-20% 100u
C208	9HX11217410002				CHIP CAP 50V +80-20% 0.1u (0603)=100000p
C209	9HX11215147002				CHIP CAP 50V+-10% 470p (0603)
C210	9HX11304071060				E CAP 25V +80-20% 100u
C211	9HX11217410002				CHIP CAP 50V +80-20% 0.1u (0603)=100000p
C212	9HX11215147002				CHIP CAP 50V+-10% 470p (0603)
C213	9HX11304081060				E CAP 25V +80-20% 1000u (SAFETYVENT) 10x18mm
C214	9HX11308151020				E CAP (MINI) 50V+-20% 1u (4x7)
C215	9HX11216210002				CHIP CAP 50V+-20% 0.001u (0603)=1000p
C216	9HX11216256002				CHIP CAP 50V+-20% 0.0056u (0603)=5600p
C217	9HX11217415002				CHIP CAP 50V +80-20% 0.15u (0603)
C218	9HX11304081060				E CAP 25V +80-20% 1000u (SAFETYVENT) 10x18mm
C219	9HX11303171020				E CAP (MINI) 16V+-20% 100u (6x7)
C220	9HX11216422012				CHIP CAP 50V+-20% 0.22u (0603)
C221	9HX11303081060				E CAP 16V +80-20% 1000u (SAFETY VENT)
C222	9HX11303171020				E CAP (MINI) 16V+-20% 100u (6x7)
C223	9HX11216422012				CHIP CAP 50V+-20% 0.22u (0603)
C224	9HX11303081060				E CAP 16V +80-20% 1000u (SAFETY VENT)
C225	9HX11304071060				E CAP 25V +80-20% 100u
C226	9HX11308154720				E CAP (MINI) 50V+-20% 4.7 (4x7)
C227	9HX11308154720				E CAP (MINI) 50V+-20% 4.7 (4x7)
C228	9HX11303164720				E CAP (MINI) 16V+-20% 47u (5x7)
C229	9HX11303161020				E CAP (MINI) 16V+-20% 10u (4x7)
C230	9HX11217410002				CHIP CAP 50V +80-20% 0.1u (0603)=100000p
C231	9HX11303161020				E CAP (MINI) 16V+-20% 10u (4x7)
C232	9HX11303164720				E CAP (MINI) 16V+-20% 47u (5x7)
C233	9HX11303161020				E CAP (MINI) 16V+-20% 10u (4x7)
C234	9HX11303164720				E CAP (MINI) 16V+-20% 47u (5x7)
C235	9HX11303164720				E CAP (MINI) 16V+-20% 47u (5x7)
C236	9HX11308152220				E CAP (MINI) 50V+-20% 2.2 (4x7)
C237	9HX11308152220				E CAP (MINI) 50V+-20% 2.2 (4x7)
C238	9HX11308152220				E CAP (MINI) 50V+-20% 2.2 (4x7)
C239	9HX11308152220				E CAP (MINI) 50V+-20% 2.2 (4x7)
C240	9HX11303161020				E CAP (MINI) 16V+-20% 10u (4x7)
C241	9HX11303172220				E CAP (MINI) 16V+-20% 220u (6x7)
C242	9HX11303161020				E CAP (MINI) 16V+-20% 10u (4x7)
C243	9HX11303162222				E CAP (MINI) 16V+-20% 22u (4x5)
C244	9HX11216227002				CHIP CAP 50V+-20% 0.0027u (0603)=2700p
C245	9HX11216227002				CHIP CAP 50V+-20% 0.0027u (0603)=2700p
C246	9HX11308152220				E CAP (MINI) 50V+-20% 2.2 (4x7)
C247	9HX11217410002				CHIP CAP 50V +80-20% 0.1u (0603)=100000p
C248	9HX11217410002				CHIP CAP 50V +80-20% 0.1u (0603)=100000p
C249	9HX11308152220				E CAP (MINI) 50V+-20% 2.2 (4x7)
C250	9HX11217410002				CHIP CAP 50V +80-20% 0.1u (0603)=100000p
C251	9HX11217410002				CHIP CAP 50V +80-20% 0.1u (0603)=100000p
C252	9HX11217410002				CHIP CAP 50V +80-20% 0.1u (0603)=100000p
C253	9HX11217410002				CHIP CAP 50V +80-20% 0.1u (0603)=100000p
C254	9HX11217410002				CHIP CAP 50V +80-20% 0.1u (0603)=100000p
C255	9HX11304082220				E CAP 25V+-20% 2200u (12.5x25)LOW ESR
C256	9HX11303161020				E CAP (MINI) 16V+-20% 10u (4x7)
C257	9HX11303161020				E CAP (MINI) 16V+-20% 10u (4x7)
C258	9HX11303161020				E CAP (MINI) 16V+-20% 10u (4x7)
C259	9HX11308152220				E CAP (MINI) 50V+-20% 2.2 (4x7)
C260	9HX11308152220				E CAP (MINI) 50V+-20% 2.2 (4x7)
C261	9HX11217410002				CHIP CAP 50V +80-20% 0.1u (0603)=100000p
C263	9HX11308152220				E CAP (MINI) 50V+-20% 2.2 (4x7)
C265	9HX11308152220				E CAP (MINI) 50V+-20% 2.2 (4x7)
C266	9HX11217410002				CHIP CAP 50V +80-20% 0.1u (0603)=100000p
C267	9HX11217410002				CHIP CAP 50V +80-20% 0.1u (0603)=100000p
C268	9HX11217410002				CHIP CAP 50V +80-20% 0.1u (0603)=100000p
C269	9HX11217410002				CHIP CAP 50V +80-20% 0.1u (0603)=100000p
C270	9HX11217410002				CHIP CAP 50V +80-20% 0.1u (0603)=100000p
C271	9HX11217410002				CHIP CAP 50V +80-20% 0.1u (0603)=100000p
C274	9HX11303161020				E CAP (MINI) 16V+-20% 10u (4x7)
C275	9HX11303164720				E CAP (MINI) 16V+-20% 47u (5x7)
C276	9HX11217410002				CHIP CAP 50V +80-20% 0.1u (0603)=100000p
C277	9HX11217410002				CHIP CAP 50V +80-20% 0.1u (0603)=100000p
C280					

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[9] CAPACITORS					
C281					
C282					
C301	9HX11303072260				E CAP 16V +80-20% 220u
C302	9HX11216410000				C CAP 50V+-20% 0.1u
C303	9HX11216410000				C CAP 50V+-20% 0.1u
C304	9HX11215022000				C CAP 50V+-10% 22p
C305	9HX11215022000				C CAP 50V+-10% 22p
C306	9HX11215022000				C CAP 50V+-10% 22p
C307	9HX11215022000				C CAP 50V+-10% 22p
C308	9HX11308054720				E CAP 50V+-20% 4.7 (5x11)
C311	9HX11308054720				E CAP 50V+-20% 4.7 (5x11)
C312	9HX11308051020				E CAP 50V+-20% 1u (5x11)
C313	9HX11216410000				C CAP 50V+-20% 0.1u
C314	9HX11302064760				E CAP 10V +80-20% 47u (5x11)
C315	9HX11215210000				C CAP 50V+-10% 0.001u
C317	9HX11303161020				E CAP (MINI) 16V+-20% 10u (4x7)
C401					
C402					
C403					
C404					
CE401	9HX11304083360				E CAP 25V +80-20% 3300u (SAFETYVENT)
[10] RESISTORS					
R1					
R101	9HX10805010000				CF RESISTOR 1/16W+-5% 10 ohm
R102	9HX10885122002				CHIP RESISTOR 1/10W+-5% 220ohm (0603)
R104	9HX10885010002				CHIP RESISTOR 1/10W+-5% 10 ohm (0603)
R105	9HX10805010000				CF RESISTOR 1/16W+-5% 10 ohm
R106	9HX10805310000				CF RESISTOR 1/16W+-5% 10k ohm
R107	9HX10885210002				CHIP RESISTOR 1/10W+-5% 1k (0603)
R108	9HX10885310002				CHIP RESISTOR 1/10W+-5% 10k (0603)
R109	9HX10885310002				CHIP RESISTOR 1/10W+-5% 10k (0603)
R110	9HX10805210000				CF RESISTOR 1/16W+-5% 1k ohm
R111	9HX10805210000				CF RESISTOR 1/16W+-5% 1k ohm
R112	9HX10805210000				CF RESISTOR 1/16W+-5% 1k ohm
R113	9HX10805210000				CF RESISTOR 1/16W+-5% 1k ohm
R114	9HX10885247002				CHIP RESISTOR 1/10W+-5% 4.7 (0603)
R115	9HX10885268002				CHIP RESISTOR 1/10W+-5% 6.8 (0603)
R116	9HX10885233002				CHIP RESISTOR 1/10W+-5% 3.3 (0603)
R117	9HX10805022000				CF RESISTOR 1/16W+-5% 22 ohm
R118	9HX10885310002				CHIP RESISTOR 1/10W+-5% 10k (0603)
R123	9HX10885310002				CHIP RESISTOR 1/10W+-5% 10k (0603)
R125	9HX10885310002				CHIP RESISTOR 1/10W+-5% 10k (0603)
R126	9HX10885347002				CHIP RESISTOR 1/10W+-5% 47k (0603)
R129	9HX10885310002				CHIP RESISTOR 1/10W+-5% 10k (0603)
R130	9HX10885233002				CHIP RESISTOR 1/10W+-5% 3.3 (0603)
R131	9HX10885322002				CHIP RESISTOR 1/10W+-5% 22k (0603)
R132	9HX10885410002				CHIP RESISTOR 1/10W+-5% 100k (0603)
R134	9HX10885210002				CHIP RESISTOR 1/10W+-5% 1k (0603)
R135	9HX10885210002				CHIP RESISTOR 1/10W+-5% 1k (0603)
R137	9HX10885310002				CHIP RESISTOR 1/10W+-5% 10k (0603)
R138	9HX10885212002				CHIP RESISTOR 1/10W+-5% 1.2 (0603)
R139	9HX10885410002				CHIP RESISTOR 1/10W+-5% 100k (0603)
R140	9HX10805110000				CF RESISTOR 1/16W+-5% 100 ohm
R142	9HX10885047002				CHIP RESISTOR 1/10W+-5% 47 ohm (0603)
R144	9HX10885210002				CHIP RESISTOR 1/10W+-5% 1k (0603)
R145	9HX10805347000				CF RESISTOR 1/16W+-5% 47k ohm
R146	9HX10805010000				CF RESISTOR 1/16W+-5% 10 ohm
R147	9HX10885022002				CHIP RESISTOR 1/10W+-5% 22 ohm (0603)
R148	9HX10805347000				CF RESISTOR 1/16W+-5% 47k ohm
R149	9HX10885327002				CHIP RESISTOR 1/10W+-5% 27k (0603)
R150	9HX10885410002				CHIP RESISTOR 1/10W+-5% 100k (0603)
R152	9HX10885122002				CHIP RESISTOR 1/10W+-5% 220ohm (0603)
R153	9HX10885210002				CHIP RESISTOR 1/10W+-5% 1k (0603)
R154	9HX10885022002				CHIP RESISTOR 1/10W+-5% 22 ohm (0603)
R157	9HX10885282002				CHIP RESISTOR 1/10W+-5% 8.2 (0603)
R158	9HX10885282002				CHIP RESISTOR 1/10W+-5% 8.2 (0603)
R160	9HX10885247002				CHIP RESISTOR 1/10W+-5% 4.7 (0603)
R161	9HX1088522002				CHIP RESISTOR 1/10W+-5% 2.2 (0603)
R162	9HX10885233002				CHIP RESISTOR 1/10W+-5% 3.3 (0603)
R164	9HX10885010002				CHIP RESISTOR 1/10W+-5% 10 ohm (0603)
R165	9HX10885122002				CHIP RESISTOR 1/10W+-5% 220ohm (0603)
R166	9HX10885010002				CHIP RESISTOR 1/10W+-5% 10 ohm (0603)
R168	9HX10800000002				CHIP RESISTOR 0 ohm (0603)
R200					
R201	9HX10805218000				CF RESISTOR 1/16W+-5% 1.8 ohm
R202	9HX10885210002				CHIP RESISTOR 1/10W+-5% 1k (0603)
R203	9HX10805233000				CF RESISTOR 1/16W+-5% 3.3 ohm
R204	9HX10885210002				CHIP RESISTOR 1/10W+-5% 1k (0603)
R205	9HX10885022002				CHIP RESISTOR 1/10W+-5% 22 ohm (0603)
R206	9HX10885022002				CHIP RESISTOR 1/10W+-5% 22 ohm (0603)
R207	9HX10885004702				CHIP RESISTOR 1/10W+-5% 4.7ohm (0603)
R208	9HX10885004702				CHIP RESISTOR 1/10W+-5% 4.7ohm (0603)
R209	9HX10885002002				CHIP RESISTOR 1/10W+-5% 2 ohm (0603)
R210	9HX10805002000				CF RESISTOR 1/16W+-5% 2 ohm

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[10] RESISTORS					
R211	9HX10885139002				CHIP RESISTOR 1/10W+-5% 390ohm (0603)
R212	9HX10805310000				CF RESISTOR 1/16W+-5% 10k ohm
R213	9HX10885368002				CHIP RESISTOR 1/10W+-5% 68k (0603)
R214	9HX10885312002				CHIP RESISTOR 1/10W+-5% 12k (0603)
R215	9HX10805110000				CF RESISTOR 1/16W+-5% 100 ohm
R216	9HX10885347002				CHIP RESISTOR 1/10W+-5% 47k (0603)
R217	9HX10885347002				CHIP RESISTOR 1/10W+-5% 47k (0603)
R218	9HX10885322002				CHIP RESISTOR 1/10W+-5% 22k (0603)
R220	9HX10885210002				CHIP RESISTOR 1/10W+-5% 1k (0603)
R221	9HX10885156002				CHIP RESISTOR 1/10W+-5% 560ohm (0603)
R222	9HX10885156002				CHIP RESISTOR 1/10W+-5% 560ohm (0603)
R223	9HX10885047002				CHIP RESISTOR 1/10W+-5% 47 ohm (0603)
R224	9HX10885156002				CHIP RESISTOR 1/10W+-5% 560ohm (0603)
R225	9HX10885310002				CHIP RESISTOR 1/10W+-5% 10k (0603)
R226	9HX10805310000				CF RESISTOR 1/16W+-5% 10k ohm
R228	9HX10885333002				CHIP RESISTOR 1/10W+-5% 33k (0603)
R229	9HX10885222002				CHIP RESISTOR 1/10W+-5% 2.2 (0603)
R230	9HX10885222002				CHIP RESISTOR 1/10W+-5% 2.2 (0603)
R231	9HX10885333002				CHIP RESISTOR 1/10W+-5% 33k (0603)
R232	9HX10805010000				CF RESISTOR 1/16W+-5% 10 ohm
R233	9HX10885322002				CHIP RESISTOR 1/10W+-5% 22k (0603)
R234	9HX10885210002				CHIP RESISTOR 1/10W+-5% 1k (0603)
R235	9HX10885310002				CHIP RESISTOR 1/10W+-5% 10k (0603)
R237	9HX10885047002				CHIP RESISTOR 1/10W+-5% 47 ohm (0603)
R238	9HX10885133002				CHIP RESISTOR 1/10W+-5% 330ohm (0603)
R239	9HX10885133002				CHIP RESISTOR 1/10W+-5% 330ohm (0603)
R240	9HX10885356002				CHIP RESISTOR 1/10W+-5% 56k (0603)
R241	9HX10885356002				CHIP RESISTOR 1/10W+-5% 56k (0603)
R242	9HX10805310000				CF RESISTOR 1/16W+-5% 10k ohm
R244	9HX10805310000				CF RESISTOR 1/16W+-5% 10k ohm
R246	9HX10805010000				CF RESISTOR 1/16W+-5% 10 ohm
R247	9HX10885322002				CHIP RESISTOR 1/10W+-5% 22k (0603)
R248	9HX10885210002				CHIP RESISTOR 1/10W+-5% 1k (0603)
R249	9HX10885256002				CHIP RESISTOR 1/10W+-5% 5.6 (0603)
R250	9HX10885256002				CHIP RESISTOR 1/10W+-5% 5.6 (0603)
R251	9HX10885356002				CHIP RESISTOR 1/10W+-5% 56k (0603)
R252	9HX10885356002				CHIP RESISTOR 1/10W+-5% 56k (0603)
R255	9HX10885210002				CHIP RESISTOR 1/10W+-5% 1k (0603)
R256	9HX10885210002				CHIP RESISTOR 1/10W+-5% 1k (0603)
R259	9HX10885347002				CHIP RESISTOR 1/10W+-5% 47k (0603)
R260	9HX10885347002				CHIP RESISTOR 1/10W+-5% 47k (0603)
R261	9HX10885227002				CHIP RESISTOR 1/10W+-5% 2.7 (0603)
R262	9HX10885227002				CHIP RESISTOR 1/10W+-5% 2.7 (0603)
R263	9HX10805310000				CF RESISTOR 1/16W+-5% 10k ohm
R264	9HX10885222002				CHIP RESISTOR 1/10W+-5% 2.2 (0603)
R265	9HX10885222002				CHIP RESISTOR 1/10W+-5% 2.2 (0603)
R266	9HX10885222002				CHIP RESISTOR 1/10W+-5% 2.2 (0603)
R267	9HX10885210002				CHIP RESISTOR 1/10W+-5% 1k (0603)
R268	9HX10885310002				CHIP RESISTOR 1/10W+-5% 10k (0603)
R269	9HX10885010002				CHIP RESISTOR 1/10W+-5% 10 ohm (0603)
R270	9HX10885410002				CHIP RESISTOR 1/10W+-5% 100k (0603)
R272					
R273					
R274					
R275					
R301	9HX10805410000				CF RESISTOR 1/16W+-5% 100k ohm
R302	9HX10805410000				CF RESISTOR 1/16W+-5% 100k ohm
R303	9HX10805410000				CF RESISTOR 1/16W+-5% 100k ohm
R304	9HX10805127000				CF RESISTOR 1/16W+-5% 270 ohm
R305	9HX10805118000				CF RESISTOR 1/16W+-5% 180 ohm
R307	9HX10805310000				CF RESISTOR 1/16W+-5% 10k ohm
R308	9HX10805210000				CF RESISTOR 1/16W+-5% 1k ohm
R309	9HX10805310000				CF RESISTOR 1/16W+-5% 10k ohm
R311	9HX10805310000				CF RESISTOR 1/16W+-5% 10k ohm
R312	9HX10805210000				CF RESISTOR 1/16W+-5% 1k ohm
R313	9HX10805210000				CF RESISTOR 1/16W+-5% 1k ohm
R314	9HX10805210000				CF RESISTOR 1/16W+-5% 1k ohm
R315	9HX10805210000				CF RESISTOR 1/16W+-5% 1k ohm
R316	9HX10805210000				CF RESISTOR 1/16W+-5% 1k ohm
R317	9HX10805210000				CF RESISTOR 1/16W+-5% 1k ohm
R318	9HX10805310000				CF RESISTOR 1/16W+-5% 10k ohm
R320	9HX10805210000				CF RESISTOR 1/16W+-5% 1k ohm
R321	9HX10805210000				CF RESISTOR 1/16W+-5% 1k ohm
R322	9HX10805210000				CF RESISTOR 1/16W+-5% 1k ohm
R323	9HX10805310000				CF RESISTOR 1/16W+-5% 10k ohm
R324	9HX10805310000				CF RESISTOR 1/16W+-5% 10k ohm
R325	9HX10805310000				CF RESISTOR 1/16W+-5% 10k ohm
R326	9HX10805310000				CF RESISTOR 1/16W+-5% 10k ohm
R327	9HX10805310000				CF RESISTOR 1/16W+-5% 10k ohm
R328	9HX10805422000				CF RESISTOR 1/16W+-5% 220k ohm
R329	9HX10805310000				CF RESISTOR 1/16W+-5% 10k ohm
R330	9HX10805310000				CF RESISTOR 1/16W+-5% 10k ohm
R331	9HX10805310000				CF RESISTOR 1/16W+-5% 10k ohm
R332	9HX10805310000				CF RESISTOR 1/16W+-5% 10k ohm
R333	9HX10805210000				CF RESISTOR 1/16W+-5% 1k ohm

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[10] RESISTORS					
R337	9HX10805468000				CF RESISTOR 1/16W+-5% 680k ohm
R338	9HX10805510000				CF RESISTOR 1/16W+-5% 1M ohm
R339	9HX10805210000				CF RESISTOR 1/16W+-5% 1k ohm
R340	9HX10805310000				CF RESISTOR 1/16W+-5% 10k ohm
R341	9HX10805347000				CF RESISTOR 1/16W+-5% 47k ohm
R342	9HX10805147000				CF RESISTOR 1/16W+-5% 470 ohm
R344	9HX10805433000				CF RESISTOR 1/16W+-5% 330k ohm
R345	9HX10805422000				CF RESISTOR 1/16W+-5% 220k ohm
R346	9HX10805412000				CF RESISTOR 1/16W+-5% 120k ohm
R347	9HX10805210000				CF RESISTOR 1/16W+-5% 1k ohm
R348	9HX10805310000				CF RESISTOR 1/16W+-5% 10k ohm
R349	9HX10805310000				CF RESISTOR 1/16W+-5% 10k ohm
R350	9HX10805310000				CF RESISTOR 1/16W+-5% 10k ohm
R351	9HX10805310000				CF RESISTOR 1/16W+-5% 10k ohm
R352	9HX10805310000				CF RESISTOR 1/16W+-5% 10k ohm
R353	9HX10805310000				CF RESISTOR 1/16W+-5% 10k ohm
[11] OTHER CIRCUITRY PARTS					
B1	9HX12680020100				CXH WAFER 2PIN RIGHT ANGLE2.54mm PITCH
CNO1A	9HX14218061201				UL2651 SOFT FLAT CABLE AWG #28W/6PIN S2M-6H
CNO2A	9HX12521030100				HOUSING CONNECTOR CXH-2H W/UL1007 #22 100mmx2
CNO3A	9HX14218090901				UL2651 SOFT FLAT CABLE AWG #28W/9PIN S2M-9H
CNO4A	9HX12531900100				3 PIN HOUSING CONNECTOR S2M-3HUL1007 #26 L=190mmx3
CNO5A	9HX12552400200				5 PIN HOUSING CONNECTOR S2M-5HUL1007 #26 L=240mmx5
CN101	9HX12630050100				HOUSING WAFER 5PIN (JST type)2mm PITCH (VERT)
CN102	9HX12630050100				HOUSING WAFER 5PIN (JST type)2mm PITCH (VERT)
CN201	9HX14112817000				DS WIRE 2x170mm BRO AWG#28 W/4P S2M-4H,UL1533
CN202	9HX12660020000				HOUSING WAFER 2PIN (CXH type)2.54mm PITCH (VERT)
CN203	9HX12551540100				HOUSING CONNECTOR S2M-5H W/UL1007 #24 WIRE 150mmx5
CN204	9HX12630040100				HOUSING WAFER 4PIN (JST type)2mm PITCH (VERT)
CN205	9HX12521530100				HOUSING CONNECTOR CXH-2H W/UL1007 #22 150mmx2
CN205	9HX12660020000				HOUSING WAFER 2PIN (CXH type)2.54mm PITCH (VERT)
CN206	9HX12630090100				HOUSING WAFER 9PIN (JST type)2mm PITCH (VERT)
CN207	9HX14122816003				3 PIN S2M-3H CONNECTOR UL2547#28 DS WIRE 160mmx1
CN208	9HX12552740100				5P S2M-5H CONN. UL1007 #24x2.DSx1 UL2547 #28
CN209	9HX12573030100				HOUSING CONNECTOR CXH-7H W/UL1007 #22 300mmx7
CN210	9HX12520530100				HOUSING CONNECTOR CXH-2H W/UL1007 #22 50mmx2
CN301	9HX12543040100				4 PIN S2M-4H CONN. W/ UL1007 #24, 300mmx2,150mmx2
CN301A	9HX12541540100				HOUSING CONNECTOR S2M-4H W/UL1007 #24 WIRE 150mmx4
CN501	9HX12640060000				HOUSING WAFER 6PIN RIGHT ANGLE2mm PITCH (JST type)
DC2- GND	9HX12523930100				HOUSING CONNECTOR CXH-2H W/UL1007 #22 390mmx2
F401	9HX13710225000				FUSE T2.5A L 250V
I R1	9HX06704420113				SENSOR SPS-442-1-E (SANYO)
J1	9HX12660020000				HOUSING WAFER 2PIN (CXH type)2.54mm PITCH (VERT)
J1A					
J2	9HX12521030100				HOUSING CONNECTOR CXH-2H W/UL1007 #22 100mmx2
J401	9HX12660020000				HOUSING WAFER 2PIN (CXH type)2.54mm PITCH (VERT)
LCD301	9HX12401084205				LCD DISPLAY SDT-A842-TP-1 (TRANSMISSIVE) (7321)
MPEG PWB	9HX51032140200				7321 PCBA MPEG BOARD (COMPLETE SETS)
RL401	9HX13033001200				RELAY : DC12V (ME-1A-12BSM)
SP1	9HX13641507630				Speaker
SP2	9HX13641507630				Speaker
SW1	9HX20723130900				PUSH SW EX-13G (Q)13 [Power]
SW501	9HX20300006105				TACT SW 6x6mm H4.3 [Volume Down]
SW502	9HX20300006105				TACT SW 6x6mm H4.3 [Volume Up]
SW503	9HX20300006105				TACT SW 6x6mm H4.3 [Stop]
SW504	9HX20300006105				TACT SW 6x6mm H4.3 [Play]
SW505	9HX20300006105				TACT SW 6x6mm H4.3 [Skip Down]
SW506	9HX20300006105				TACT SW 6x6mm H4.3 [Skip Up]
SW507	9HX20300006105				TACT SW 6x6mm H4.3 [Tuner (Band)]
SW508	9HX20300006105				TACT SW 6x6mm H4.3 [Open/Close]

[12] CABINET PARTS



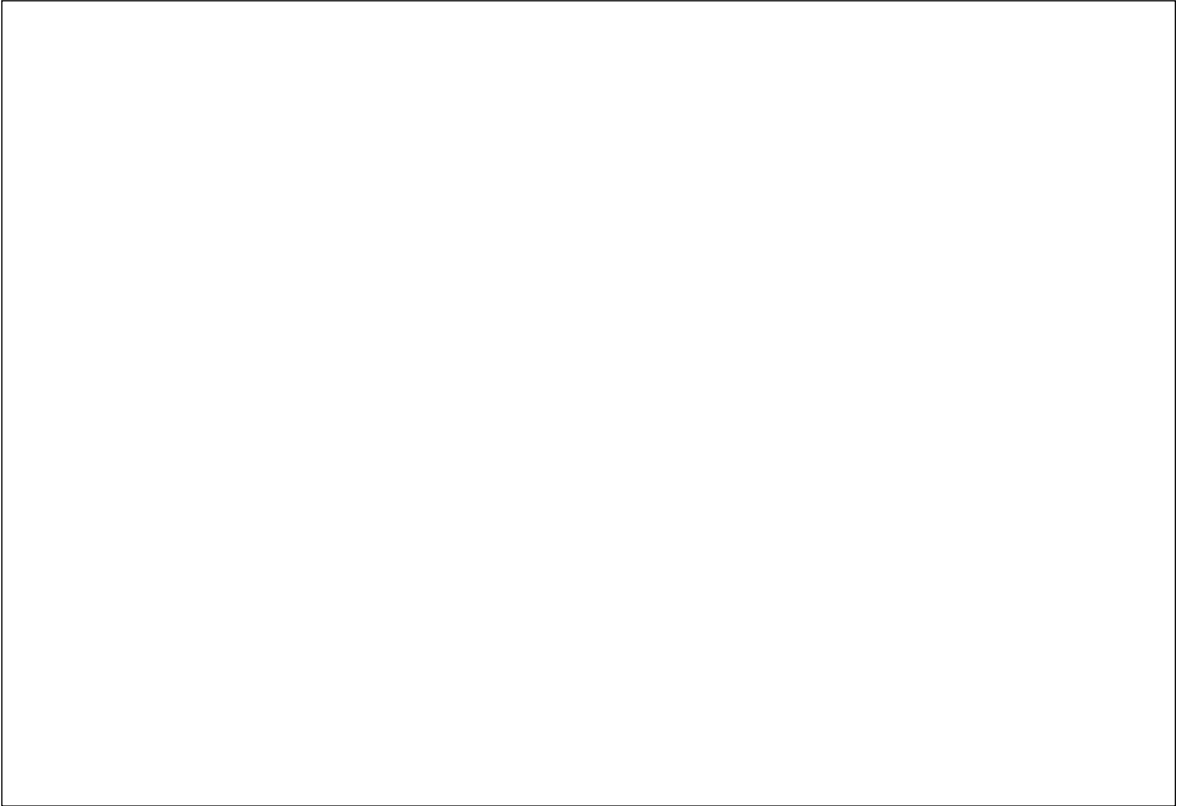
★ Screw isn't supplied.

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[12] CABINET PARTS					
201	9HX60432100101				7321 DISPLAY LENS A SHARPMOULD SMOKE GRY
202	9HX67032120000				7321 PC COVER SENSOR SHEET11.8x11.8xT0.5mm
203	9HX62932100011				7321 DISPLAY COVER PLATE SIL
204	9HX60632100011				7231 DVD DOOR SPRAY SILVER
205	9HX62332100011				7321 DOOR OUTER FRAME SPRAYSIL (#05/8827 ABS)
206	9HX67232100101				7321 DVD BADGE PLATE A SPRAYSIL CHROME (NO.27)
207	9HX72232100000				7321 SPEAKER GRIL (0.7mm)
208	9HX60832100011				7321 FRONT PANEL SPRAY SILVER (#05/8827) V0
209	9HX60432110009				7321 INDICATOR LED TIMER MOULDMIKLY
211	9HX74182100001				7821 SPEAKER CLIP (CHINA)
213	9HX67682100000				7821 AC SOCKET COVER CASEPSU27-MC MOULD BLK
215	9HX60232100011	BA			7321 B-CAB SPRAY SILVER (#05/8827) V0
217	9HX61932101411				7321 POWER SWITCH KNOBS SPRAYSIL (#05/8827 ABS)
221	9HX61932101101				7321 KEY BUTTON A SPRAY SIL (#05/8827) ABS
222	9HX61432120008				7321 HANDLE CLIP (R) MOULD GRY (1013NW8) (PA-6)
223	9HX61432110008				7321 HANDLE CLIP (L) MOULD GRY (1013NW8) (PA-6)
224	9HX60732100101				7321 TOP COVER A SPRAY SILVER (#05/8827) V0
225	9HX61432100011				7321 HANDLE SPRAY SILVER (#05/8827) V2
226	9HX67032120000				7321 PC LASER COVER T0.6mm
227	9HX14610700100	AW			CD MECH SANYO DV34 + LOAD DECK
230	9HX62332120008				7321 DISPLAY BRACKET MOULD BLK
233	9HX62332130009				7321 SPACER LED MOULD MIKLY (FU LIANG M9830)
235	9HX63132100008				7321 TUNER HOLDER MOULD GRY (FRHIPS-960)
237	9HX62332110008				7321 HOLDER LOCK MOULD GRY (FRHIPS-960)
243	9HX72523111100				7231 3V BATT SPRING +
244	9HX12840522300				7321 ROD ANTENNA 4 SEG,360°,223mm
245	9HX72532141100				7321 3V BATT SPRING -
246	9HX72532141000				7321 12V BATT SPRING -
247	9HX72532121000				7321 12V BATT SPRING +, -
248	9HX72532111000				7231 12V BATT SPRING +
249	9HX90232100000				7321 BATT DOOR SPONGE58x19x14mm
250	9HX60532100011				7321 BATT DOOR SPRAY SILVER (#05/8827)
SP1	9HX13641507630				Speaker
SP2	9HX13641507630				Speaker

PACKING METHOD (For U.K. Only)

QT-V5E

- | | |
|-------------------|-----------------------------|
| 1. 9HX13914306001 | AC Cord |
| 2. 9HX14462020000 | RCA SINGLE WIRE AWG#26,2M |
| 3. 9HX14464020000 | RCA DOUBLE WIRE AWG#26,2M |
| 4. 9HX8033210001C | PACKING CASE |
| 5. 9HX80432100003 | OPERATION MANUAL |
| 6. 9HX8043210003A | QUICK GUIDE |
| 7. 9HX80632100003 | GUARRANTY CARD |
| 8. 9HX80832100001 | POP LABEL (DVD VIDEO) SHARP |



NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[13] ACCESSORIES					
△	1	9HX13914306001			AC CORD
△	1	9HX13912206004			AC CORD
△	1	9HX13913006501			AC CORD
	2	9HX14462020000			RCA SINGLE WIRE AWG#26,2M
	3	9HX14464020000			RCA DOUBLE WIRE AWG#26,2M
	4	9HX8033210001C			PACKING CASE [Except for Europe]
	4	9HX8033210001B			PACKING CASE [For Europe]
	5	9HX80432100003			OPERATION MANUAL [For U.K.]
	5	9HX80432100007			OPERATION MANUAL [For Europe]
	5	9HX80432100001			OPERATION MANUAL [For Australia/New Zealand]
	6	9HX8043210003A			QUICK GUIDE [For U.K. Only]
	7	9HX80632100003			GUARRANTY CARD [For U.K. Only]
	8	9HX80832100001			POP LABEL (DVD VIDEO) SHARP
[14] P.W.B. ASSEMBLY (Not Replacement Item)					
	PWB- A	9HX51032100001			7321 ELECT POWER AMP & POWERSPLY SECTION :
	PWB- B	9HX51032100002	BB		7321 ELECT AC POWER BOARDSECTION :
	PWB- C	9HX51032100003			7321 ELECT TUNER BOARD SECTION:
	PWB- D	9HX51032100005			7321 ELECT SWITCH BOARD SECTION:
△	PWB- E	9HX51032100006	BC		Display SECTION:

■INDEX

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
[9]				
9HX00782290105	1-I C204			
9HX01518230035	1-I C103			
9HX03523130047	1-I C205			
9HX04873130284	1-I C201			
"	1-I C202			
9HX06094180585	1-I C301			
9HX06526160501	1-I C101			
9HX06704420113	11-I R1			
9HX06830480284	1-I C203			
9HX10331992700	2-Q103			
"	2-Q104			
"	2-Q109			
"	2-Q110			
9HX10380500300	2-Q100			
"	2-Q101			
"	2-Q102			
"	2-Q203			
9HX10385500400	2-Q202			
"	2-Q210			
"	2-Q212			
"	2-Q216			
9HX10390140300	2-Q106			
"	2-Q107			
"	2-Q201			
"	2-Q204			
"	2-Q205			
"	2-Q206			
"	2-Q207			
"	2-Q208			
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"	2-Q213			
"	2-Q214			
"	2-Q215			
"	2-Q301			
"	2-Q302			
"	2-Q303			
9HX10390180700	2-Q108			
9HX10600060300	3-D101			
9HX10600414800	3-D103			
"	3-D201			
"	3-D202			
"	3-D207			
"	3-D208			
"	3-D301			
"	3-D302			
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"	3-D310			
"	3-D311			
"	3-D313			
"	3-D320			
9HX10600560510	3-ZD101			
"	3-ZD102			
9HX10600581800	3-D203			
"	3-D204			
"	3-D205			
"	3-D206			
9HX10600620510	3-ZD209			
9HX10600820510	3-ZD210			
9HX10601100510	3-ZD100			
9HX10601400100	3-D209			
9HX10610034800	3-D108			
9HX10613540100	3-D401			
"	3-D402			
"	3-D403			
"	3-D404			
9HX10620010105	3-D104			
"	3-D105			
9HX10800000002	10-R168			
9HX10805002000	10-R210			
9HX10805010000	10-R101			
"	10-R105			
"	10-R146			
"	10-R232			
"	10-R246			
9HX10805022000	10-R117			

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
9HX10805110000	10-R140			
"	10-R215			
9HX10805118000	10-R305			
9HX10805127000	10-R304			
9HX10805147000	10-R342			
9HX10805210000	10-R110			
"	10-R111			
"	10-R112			
"	10-R113			
"	10-R308			
"	10-R312			
"	10-R313			
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"	10-R315			
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"	10-R317			
"	10-R320			
"	10-R321			
"	10-R322			
"	10-R333			
"	10-R339			
"	10-R347			
9HX10805218000	10-R201			
9HX10805233000	10-R203			
9HX10805310000	10-R106			
"	10-R212			
"	10-R226			
"	10-R242			
"	10-R244			
"	10-R263			
"	10-R307			
"	10-R309			
"	10-R311			
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"	10-R323			
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"	10-R340			
"	10-R348			
"	10-R349			
"	10-R350			
"	10-R351			
"	10-R352			
"	10-R353			
9HX10805347000	10-R145			
"	10-R148			
"	10-R341			
9HX10805410000	10-R301			
"	10-R302			
"	10-R303			
9HX10805412000	10-R346			
9HX10805422000	10-R328			
"	10-R345			
9HX10805433000	10-R344			
9HX10805468000	10-R337			
9HX10805510000	10-R338			
9HX10885002002	10-R209			
9HX10885004702	10-R207			
"	10-R208			
9HX10885010002	10-R104			
"	10-R164			
"	10-R166			
"	10-R269			
9HX10885022002	10-R147			
"	10-R154			
"	10-R205			
"	10-R206			
9HX10885047002	10-R142			
"	10-R223			
"	10-R237			
9HX10885122002	10-R102			
"	10-R152			
"	10-R165			
9HX10885133002	10-R238			

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
"	10-R239			
9HX10885139002	10-R211			
9HX10885156002	10-R221			
"	10-R222			
"	10-R224			
9HX10885210002	10-R107			
"	10-R134			
"	10-R135			
"	10-R144			
"	10-R153			
"	10-R202			
"	10-R204			
"	10-R220			
"	10-R234			
"	10-R248			
"	10-R255			
"	10-R256			
"	10-R267			
9HX10885212002	10-R138			
9HX10885222002	10-R161			
"	10-R229			
"	10-R230			
"	10-R264			
"	10-R265			
"	10-R266			
9HX10885227002	10-R261			
"	10-R262			
9HX10885233002	10-R116			
"	10-R130			
"	10-R162			
9HX10885247002	10-R114			
"	10-R160			
9HX10885256002	10-R249			
"	10-R250			
9HX10885268002	10-R115			
9HX10885282002	10-R157			
"	10-R158			
9HX10885310002	10-R108			
"	10-R109			
"	10-R118			
"	10-R123			
"	10-R125			
"	10-R129			
"	10-R137			
"	10-R225			
"	10-R235			
"	10-R268			
9HX10885312002	10-R214			
9HX10885322002	10-R131			
"	10-R218			
"	10-R233			
"	10-R247			
9HX10885327002	10-R149			
9HX10885333002	10-R228			
"	10-R231			
9HX10885347002	10-R126			
"	10-R216			
"	10-R217			
"	10-R259			
"	10-R260			
9HX10885356002	10-R240			
"	10-R241			
"	10-R251			
"	10-R252			
9HX10885368002	10-R213			
9HX10885410002	10-R132			
"	10-R139			
"	10-R150			
"	10-R270			
9HX11214003002	9-C144			
9HX11214005002	9-C133			
"	9-C160			
"	9-C166			
"	9-C177			
9HX11214008002	9-C162			
9HX11215010002	9-C151			
"	9-C178			
9HX11215022000	9-C304			
"	9-C305			
"	9-C306			
"	9-C307			
9HX11215033002	9-C117			

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
"	9-C118			
9HX11215047002	9-C110			
"	9-C149			
"	9-C157			
9HX11215110002	9-C170			
"	9-C171			
"	9-C172			
"	9-C173			
"	9-C182			
9HX11215122002	9-C101			
9HX11215133002	9-C164			
9HX11215147002	9-C209			
"	9-C212			
9HX11215210000	9-C315			
9HX11216210002	9-C105			
"	9-C106			
"	9-C107			
"	9-C108			
"	9-C109			
"	9-C111			
"	9-C114			
"	9-C142			
"	9-C146			
"	9-C150			
"	9-C161			
"	9-C175			
"	9-C215			
9HX11216227002	9-C244			
"	9-C245			
9HX11216256002	9-C216			
9HX11216322002	9-C128			
"	9-C153			
"	9-C155			
"	9-C159			
9HX11216410000	9-C302			
"	9-C303			
"	9-C313			
9HX11216422012	9-C220			
"	9-C223			
9HX11217310002	9-C113			
"	9-C147			
"	9-C174			
"	9-C205			
"	9-C206			
9HX11217315002	9-C139			
"	9-C140			
9HX11217347002	9-C163			
9HX11217410002	9-C102			
"	9-C103			
"	9-C115			
"	9-C145			
"	9-C152			
"	9-C156			
"	9-C158			
"	9-C169			
"	9-C181			
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"	9-C252			
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"	9-C269			
"	9-C270			
"	9-C271			
"	9-C276			
"	9-C277			
9HX11217415002	9-C217			
9HX11302064760	9-C314			
9HX11303064760	9-C116			
"	9-C154			
"	9-C168			

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PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
"	9-C179			
"	9-C180			
9HX11303071060	9-C104			
9HX11303072260	9-C143			
"	9-C301			
9HX11303081020	9-C202			
"	9-C204			
9HX11303081060	9-C221			
"	9-C224			
9HX11303161020	9-C229			
"	9-C231			
"	9-C233			
"	9-C240			
"	9-C242			
"	9-C256			
"	9-C257			
"	9-C258			
"	9-C274			
"	9-C317			
9HX11303162222	9-C243			
9HX11303164720	9-C228			
"	9-C232			
"	9-C234			
"	9-C235			
"	9-C275			
9HX11303171020	9-C219			
"	9-C222			
9HX11303172220	9-C241			
9HX11304071060	9-C207			
"	9-C210			
"	9-C225			
9HX11304081060	9-C213			
"	9-C218			
9HX11304082220	9-C255			
9HX11304083360	9-CE401			
9HX11308042220	9-C130			
9HX11308044720	9-C112			
"	9-C131			
9HX11308051020	9-C129			
"	9-C137			
"	9-C138			
"	9-C141			
"	9-C312			
9HX11308054720	9-C136			
"	9-C176			
"	9-C308			
"	9-C311			
9HX11308151020	9-C214			
9HX11308152220	9-C236			
"	9-C237			
"	9-C238			
"	9-C239			
"	9-C246			
"	9-C249			
"	9-C259			
"	9-C260			
"	9-C263			
"	9-C265			
9HX11308154720	9-C226			
"	9-C227			
9HX11513001000	7-TC101			
"	7-TC102			
9HX11600010000	6-L201			
9HX11600100000	6-L101			
"	6-L103			
9HX11600100002	6-L202			
"	6-L203			
9HX11600470000	6-L105			
"	6-L106			
9HX11601220000	6-L301			
9HX11844002600	5-T101			
9HX11913000703	6-L105			
9HX11925001900	5-T102			
9HX11993560400	6-L102			
9HX11994580400	6-L104			
9HX12002720016	8-X101			
9HX12003276801	8-X301			
9HX12025000000	8-X302			
9HX12306600310	5-T401	AW		
9HX12400200001	3-LED302			
9HX12401084205	11-LCD301			
9HX12470400003	3-D7			

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
9HX12520530100	11-CN210			
9HX12521030100	11-J2			
"	11-CNO2A			
9HX12521530100	11-CN205			
9HX12523930100	11-DC2- GND			
9HX12531900100	11-CN04A			
9HX12541540100	11-CN301A			
9HX12543040100	11-CN301			
9HX12551540100	11-CN203			
9HX12552400200	11-CN05A			
9HX12552740100	11-CN208			
9HX12573030100	11-CN209			
9HX12630040100	11-CN204			
9HX12630050100	11-CN101			
"	11-CN102			
9HX12630090100	11-CN206			
9HX12640060000	11-CN501			
9HX12660020000	11-J1			
"	11-J401			
"	11-CN202			
"	11-CN205			
9HX12680020100	11-B1			
9HX12710145003	4-CF102			
9HX12720100303	4-BF101			
9HX12722110761	4-CF103			
9HX12722210701	4-CF101			
9HX12840522300	12-244			
9HX13033001200	11-RL401			
9HX13645007630	11-SP1			
"	11-SP2			
"	12-SP1			
"	12-SP2			
9HX13740225000	11-F401			
9HX13912206004	13-1			
9HX13913006501	13-1			
9HX13914306001	13-1			
9HX14112817000	11-CN201			
9HX14122816003	11-CN207			
9HX14218061201	11-CNO1A			
9HX14218090901	11-CNO3A			
9HX14462020000	13-2			
9HX14464020000	13-3			
9HX14610700100	12-227	AW		
9HX20300006105	11-SW501			
"	11-SW502			
"	11-SW503			
"	11-SW504			
"	11-SW505			
"	11-SW506			
"	11-SW507			
"	11-SW508			
9HX20723130900	11-SW1			
9HX51032100001	14-PWB- A			
9HX51032100002	14-PWB- B	BB		
9HX51032100003	14-PWB- C			
9HX51032100005	14-PWB- D			
9HX51032100006	14-PWB- E	BC		
9HX51032140100	11-MPEG PWB	BH		
9HX60232100011	12-215	BA		
9HX60432100101	12-201			
9HX60432110009	12-209			
9HX60532100011	12-250			
9HX60632100011	12-204			
9HX60732100101	12-224			
9HX60832100011	12-208			
9HX61432100011	12-225			
9HX61432110008	12-223			
9HX61432120008	12-222			
9HX61932101101	12-221			
9HX61932101411	12-217			
9HX62332100011	12-205			
9HX62332110008	12-237			
9HX62332120008	12-230			
9HX62332130009	12-233			
9HX62932100011	12-203			
9HX63132100008	12-235			
9HX67032120000	12-202			
"	12-226			
9HX67232100101	12-206			
9HX67682100000	12-213			
9HX72232100000	12-207			
9HX72523111100	12-243			

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
9HX72532111000	12-248			
9HX72532121000	12-247			
9HX72532141000	12-246			
9HX72532141100	12-245			
9HX74182100001	12-211			
9HX8033210001B	13-4			
9HX8033210001C	13-4			
9HX80432100001	13-5			
9HX80432100003	13-5			
9HX80432100007	13-5			
9HX8043210003A	13-6			
9HX80632100003	13-7			
9HX80832100001	13-			
9HX90232100000	12-249			

Explanation of capacitors/resistors parts codes

Capacitors

VCC	Ceramic type
VCK.....	Ceramic type
VCT	Semiconductor type
VC •• MF	Cylindrical type (without lead wire)
VC •• MN.....	Cylindrical type (without lead wire)
VC •• TV.....	Square type (without lead wire)
VC •• TQ	Square type (without lead wire)
VC •• CY	Square type (without lead wire)
VC •• CZ	Square type (without lead wire)
VC •••••••• J..	The 13th character represents capacity difference. ("J" $\pm 5\%$, "K" $\pm 10\%$, "M" $\pm 20\%$, "N" $\pm 30\%$, "C" ± 0.25 pF, "D" ± 0.5 pF, "Z" $+80-20\%$.)


If there are no indications for the electrolytic capacitors, error is $\pm 20\%$.

Resistors

VRD	Carbon-film type
VRS	Carbon-film type
VRN	Metal-film type
VR •• MF	Cylindrical type (without lead wire)
VR •• MN.....	Cylindrical type (without lead wire)
VR •• TV.....	Square type (without lead wire)
VR •• TQ	Square type (without lead wire)
VR •• CY	Square type (without lead wire)
VR •• CZ	Square type (without lead wire)
VR •••••••• J..	The 13th character represents error. ("J" $\pm 5\%$, "F" $\pm 1\%$, "D" $\pm 0.5\%$.)

If there are no indications for other parts, the resistors are $\pm 5\%$ carbon-film type.

NOTE:

Parts marked with “” are important for maintaining the safety of the set.

Be sure to replace parts with specified ones for maintaining the safety and performance of the set.

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SK•SG